W.T.F.D.A. Headquarters, P.O. Box 97, Calumet City, IL 60409

WTFDA CONVENTION ... As this is being prepared, it's almost time for the 1982 WTFDA Convention. Word has it that a good turnout will be there, and we hope to have a report on the activities in an upcoming VUD. If you couldn't be there this year, there's always next year. For the 1983 WTFDA Convention, we'd like to hear from members interested in hosting the gettogether. Would you like to host WTFDA Convention 1983? Let us know. We can tell you what it takes to host our convention. If you are seriously interested, drop us a line. If we receive more than one bid, we'll have a membership vote. Next month, we'll have details on how to submit a bid and word on the closing deadline, plus word of any early bids.

THANKS, RALPH...We know that NORTHERN FM DX editor Ralph Strobel must be very tired right now; he just completed nineteen pages of DX reports for his column. This is a record for the recent history of the club, and one that we don't want to see broken. Seriously, that's more to expect from your column editors--PLEASE help us out by making your reports more concise and try to limit your comments during the busy DX months. We do not limit space for DX reports in the VUD; that's our policy. However, large VUDs can end up costing the club lots of money, so try to remember to be brief when you can. In the meantime, we especially like to hear from new members and first time reporters. This is your club--why not contribute by checking in with your DXing results from time to time.

LONG HAUL UHF ... Recently, Jim Pizzi in New Mexico has been finding out what it's like to live on the western end of one of the best long-haul tropo slots on the North American continent. What might be recarded as the "Sunbelt tropo path" extends from the edge of the Rockies in eastern New Mexico to the southern tip of Florida. On June 6th and 7th, Jim caught 1100 mile UHF ducting to Atlanta. What's next? When the season's right again, we're betting that many alltime DX records will be set by Jim; and Florida-to-New Mexico ducting is possible!

VOLUNTEER UPDATE...We've heard from a few members willing to take over the club positions that we mentioned in the last few issues. Many thanks to those who are offering to help. More word on this will be in the next VUD.

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PHOTO NEWS: Some neat shots of tropo and Es as seen in NM56
CCI (UNIDENTIFIED DX) A Minnesota mystery cleared up



MAILBOX

John Zondlo 1308 SW 74th, Apt. 421 Oklahoma City, OK 73159

New Members: Michael Florek

Gord Lansdell George Mileon Clifford Rames David Raudenbush Patrick Rudolph

458 W. Rodney French Blvd.

156 W. 18th St. 14 Border St. 5724 Grant St., Apt. N RD 4, Box 404 382 Allen Drive

New Bedford, MA 02744

N. Vancouver, BC V7M 1W4 Lynn, MA 01905 Hollywood, FL 33021 Pine Grove, FA 17963 Wadsworth, OH 44281

Renewals: Carl Albin, Richard N. Allen, Gerald Barkow, John Basehore, Murray Bernstein, Bill Coleman, David Curvin, Mike DeRoo, Mike DeWan, Fatrick Durkin, Jr., John Ebeling, Jim Gill, Lawrence Glass, Robert Goodman, Christopher Hanley, Robert Heckenlively, James Herkimer, Jim Jennings, William Johnson, James Kingsbury, Paul Kinnaly, Jr., Jim Korn, Rolland Lindblade, Tom Little, Nick Lombardi, Alan Michalek, Randy Miltier, V. Noffsinger, Rod O'Connor, Ronald Furdue, Daniel Sampson, Pete Skinner, Dr. James Snow, Steven Sprachman, James Stiles, Harry Teufel, Alphonse Tohia, Roger Winsor, Jeff Wolf, Tracy Wood, Robert Zent.

Richard Troyer-13130 Wooster St. NW-Massillon, OH 44646

Address Changes: Saul Chernos-79 Ridge Drive-Toronto, ON M4T 1B6 Ronald Green-1603 Campbell-Building 3, Apt. 11-Joplin, MO 64801 David Legler-128 E. Magnetic St.-Marquette, MI 49855 Frank Luman-5056 S. Hinsdale Place-Littleton, CO 80172 Lee Prescott-1902 E. Washington, #53-Harlingen, TX 78550 Rich Turcsany-37 Windsor Place-Fairfield, CT 06430 Don Voegele-137 Colton Place-San Jose, CA 95110 Richard E. Wood-4337 Shaw-St. Louis, MO 63110

Renewals Due in September: Howard Bartlett, Mike Bugaj, John Clemmer, Doug Dornbos, James Filler. Richard Gagnon, Jim Gould, Glenn Hauser, A. Lazarus, Kurt Nelson, Richard Prelinger, Robert Ross, Edward Sirovy, John Walters, Larry Weil, David Wilson.

Leading off the new members this month is GEORGE MILEON. He writes, Your TV Atlas listed a GW Electronics as a source for TV equipment. Do not buy anything from this guy, in that he has never delivered on an order made last February, 1981, nor has he made a refund. I presently have the postal inspectors and bank authorities in Indiana checking into this guy. In early January I received a test pattern on my TV of a WSTG. No channel number was on the pattern, but according to my TV it should have been channel 62. Does anyone in your association know anything about this station? I have not see the pattern since. My antenna was facing west from Lynn in order to get the best reception of this station, a picture which was very good indeed. Is anyone interested in FM quad info? WBCN in Boston was broadcasting in quad some time ago, and may be doing so again in the near future, if I read my information from Technics correctly. There are about 15 FM quad receivers in MECN's storeroom, I was supposed to get one to listen to the test broadcasting thanks to the efforts of DB magazine. The testing went as scheduled, but the station engineer balked at giving me one of the guad receivers. Is subscription TV an area of interest to you as well as MDS broadcasting?" Welcome to the club, George. The answer to the last question, incidentally, is yes.

Next up is CLIFFORD RAMES, who is associate director of R&D at the University of Miami School of Medicine, Here's his DX gear: Sears color receiver, Rayson UHF preamp (Performer II), Radio Shack 15-623 indoor UHF antenna, homebuilt 13 element yagi antenna tuned to channel 34, homebuilt indoor double-rhombic UHF antenna (rotatable). He writes, "I have been Dxing for about 8 months, mostly UNF. I have logged all S. Florida (continued on page 58)

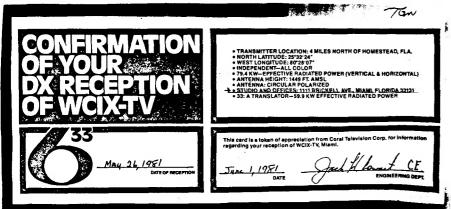
QSL CORNER

TV-OSL

Thomas J. Yingling, jr. 221 Pinewood Road Baltimore, MD 21222

AL	WTVY 4	Dothan, P. O. Box 1089, 36302. Just only send Me the coverage-map & the
		Southern Alabama TV-Guide edition in 9 days. Purdue
DE	WDPB 64	Seaford, P. O. Box 864, 19973. Letter from J. Christopher Farlow, VP & GM, reply in 29 days. Holbrook
IL	WFLD 32	
		schedule in 7 days.
IA	KTIN 21	
		Rosemary Hoover, Admin. Asst. Eng. in 6 days. Purdue
LA	WBRZ 2	and the state of t
	KTBS 3	restriction of box received from be neutricing, on Reese
MT	KTVQ 2	Billings, Box 2557, 59103. Letter from J. R. Middleton, CE in 10 days. Durkin
NJ	WWAC 53	Atlantic City, 530 Atlantic Ave, 08404. Letter after follow-up from Daniel J. Merlo, CE. Holbrook
	WRBV 65	Vineland, P. O. Box 2300, 08360. Send back prepared card after follow-
		up, signer was Carmen Coluski. Holbrook
ОН	WBTI 64	
		60 days, and also send a promo package to me. Ross
	WHIZ 18	
		in 35 days. Ross
	WUAB 43	
		with full data on tower & transmitter. Ross
PA	WVIA 44	
• • •		George B. Seymour, Dir. of Eng. in 6 days. Holbrook
SD	KDLO 3	Garden City % Phillips at 13th, Sioux Falls, 57102. OSL Card from Norge
0.,	KDEG 3	Artes (?) (from my QSL the name is Marge Artus, Engr. Secy. ed) Reply
		back in 2 months. Reese
LIST	WTRF 7	
m v	WIRF /	Wheeling, 96-16th St. Send QSL Card in 4 months, full data 2 colour card with no signer. Ross
WI	WEEAN ES	
w.T	WJJAF JJ	Memononie, 800 Broadway St, 54751. Letter received in 6 days from James
		Kissinger, Reg. Rep. Translator is in River Falls, WI (what station does
		they relay? ed) Purdue
	MALA 18	Milwaukee, P. O. Box 1818, 53201. Letter back in 4 days from John Kalpus,
		CE. Also send a copy of their coverage-map & schedule. Purdue
	WAOW 9	Wausau, 1908 Grand Ave., 54401. Letter & coverage-map of Wisconsin TV Net-
		work, ADI fact sheet, & schedule from Chandler Campbell, Asst. Eng in
		5 days. Purdue
WY	KTWO 2	Casper, 4200 E. 2nd St. Card from Steve Broomell, CE in 3 months. Durkin

Reporters this time are: Purdue, Holbrook, Reese, Ross. And the OSL Card below is from Reese; I think! No name on it, in my to use items folder. This brings up a good point. When you send in copies, please have notes on paper to explain the qsl if possible, like address, name of signer, & etc. as the above items are typed in order. ALSO: I am running very, very low on IV OSL items to use, and have only 3 items left to do of TV as of this typing, and have plenty FM OSL to do. So, please get on the ball & report to TV's ! 73's for now.





Bill Fahber 336 Atlantic St. Bridgeton, NJ, 08302

1				Bridgeton, NJ, 08302
API	LICAT	IONS	FOR NEW BROADCAST STATIONS	21 3622 1849 Florence, SC; Southern Metro
			CITY/STATE/APPLICANT	Telesystems, Inc.
59	562	1853	Sanger, CA; Sanger Telecasters	28 4404 827 Panama City, FL; Kenneth B.
53	2037	1014	Fort Walton Beach, FL; Fort	Darby et al.
15	191	607	Walton Beach Broade'g Corp. Wichita, KS; Kansas Public	64 1000 1063 Kalamazoo, MI; Channel 64, Inc.
۱'	וקו	077	Telecommunications Service Inc.	52 820 340 Oklahoma City, OK; Satellite Broadcasting Company
30	76.4	447	Shawnee, OK; Canadian Valley	
		77,	Television, Inc.	NOTE: On construction permit modifications I
8	158	1000	Johnstown, PA; Johnstown Tele-	will attempt as of this month to indicate
l.,			vision Company, Inc.	with an asterisk (*) which CP's refer to stations already on the air.
61	1291	1035	Houston, TX; Houston Family	stations arready on the arre
			Television, Inc.	APPLICATIONS TO MODIFY CONSTRUCTION PERMITS
18	1288	539	Wichita Falls, TX; Thornberry	52 5000 1385 Cocoa, FL; WTGL
21	11/2	1073	Television, Ltd. Lynchburg, VA; Lynchburg Tele-	20 5000 1482 Fort Myers, FL; WBBH-TV
I ~'	1140	1713	vision Associates, Ltd.	26 99.3 2110 Honolulu, HI; KSHO 42 1288 2807 Concord, CA; KFCB
40	4.21	2807	Fajardo, PR; Ana G. Mendez	30 1321 988 Fort Myers, FL; WSFP-TV
Ľ			Educational Foundation	12 316 1403 Pembina, ND; KWBA
14	28.2	313	Jacksonville, FL; West Central	16 1140 1150 Dayton, OH; WPTD
1			Illinois Educational Telecommu-	20 2239 1201 * Waterbury, CT; WTKK; TL to
L	_		nications Corporation	Peach Orchard Road, Naugatuck
22	24.1	519	Macomb, IL; West Central Illi-	65 93.1 422 Beattyville, KY; Hour of Harvest
1			nois Educational Telecommuni-	35 3548 1096 Marshall, TX; Holt-Robinson of
52	105	1020	cations Corporation	Texas, Inc.; TL to State Highway
			Ithaca, NY; Ithaca TV Associ's Houston, TX; Texas Educational	300; 1.9 miles east of East Mt.
1'*	,000	1075	Network, Inc.	CONSTRUCTION PERMIT MODIFICATIONS GRANTED
61	316	1167	Houston, TX; Deborah A.Richard	24 ? ? San Juan, PR; WSJN-TV; change TL
61			Houston, TX; SMJ Telev. Co.	to 0.4 mile northeast of Luis
			Houston, TX; Patricia B.Steele	Santella
61	5000	1957	Houston, TX; Urban Broadcasting	30 89.1 610 Meridian, MS; WLBM-TV; TL 0.8 mile south of Meridian
Ì.,			Systems	15 536 1143 Centralia, WA; KCKA
59	656	224	Fresno, CA; West Coast Communi-	67 1429 288 * Canton, OH; WOAC
1,	5000	10	cations Group, Inc.	40 3390 880 Talahassee, FL; WTWC
31			Houston, TX; Amervision Corp.	26 99.3 2110 Honolulu, HI; KSHO
Γ'	702	,0))	Fort Worth, TX; Educational Television of the Southwest, Inc.	14 1500 1285 Hays, KS; KSMH-TV
15	8-13	1100	Christiansted, VI; Telarwah	APPLICATIONS TO CHANGE EXISTING FACILITIES
1			Communications Company	11 135 1280 Louisville, KY; WHAS-TV
22	•526	104	Mayaguez, PR; Alvarez & Escabi	68 2667 1455 Newark, NJ; WWHT; TL to 350
1			(ERP may be wrong, as aural	Fifth Street, New York City
ı			is 0.48 kw, and should be about	67 2483 714 Smithtown, NY; WSNL-TV; TL to
L			10% to 20% of ERPvis.)	0.62 mile southwest of intersec-
64	91	411	Naranjito, PR; Art Broadcasting	tion of Rocky Point Road and
⊢			Corporation	Miller Place Road, Middle Island
			DISMISSED BY THE FCC	32 1236 820 Montgomery, AL; WKAB-TV 31 2240 2220 Hartford, VT; WNNE
] *	lints	rille	, AL; ch. 54; C. Michael Norton	
			CA; ch. 62; Riverside Telecas-	CHANGES IN EXISTING FACILITIED GRANTED BY FCC
	rs, II Kalamu		MI; ch. 64; West Michigan Fami-	20 2239 1200 Waterbury, CT; WTXX (temporary)
			tions. Inc.	14 1412 4188 Albuquerque, NM; KGSW 61 2218 974 Chattanooga, TN; WRIP
* (Oklaho	DEMAR C	ity. OK' ch. 52; TV 52 Broade'g.	43 1548 523 York, PA; WSBA-TV
* 1	Manch	ester	, NH; ch. 50; Channel 50, Inc.	2 100 1930 Houston, TX; KPRC-TV; TL to 0.55
*	Austin	a, TX	; ch. 42; Pappas Telecasting	mile south of Rte. 2234; 1.15
-			PERMITS GRANTED BY THE FCC	mile east of Missouri City Line
			Beattyville, KY; Hour of Har-	48 1170 1900 Huntsville, AL; WAFF
1	Ţ.	,	vest, Inc.	7 55.6 1688 Chicago, IL; WLS-TV; began 6/2
10	24.1	447	Thief River Falls, MN; Olmstead	Late News: WNUV, ch. 54, Baltimore, MD,
I			Enterprises, Inc.	began transmitting 7/1/82 with scrambled
159	1197	1456	Lebanon, PA; The Great Lebanon	programming. They began test patterns on
			County Telecasting Corporation	6/29/82.

CALL LETTER APPLICATIONS: NEW STSTIONS CH CITY/STATE/APPLICANT WLJC-TV 65 Beattyville, KY; Hour of Harvest KEHB-TV 26 El Paso. TX: Paso Del Norte Bc'g KKAQ-TV 10 Thief River Falls, MN; Olmstead Enterprises. Inc. 62 Syracuse, NY; The Great Onondaga County Telecasting Corporation 59 Lebanon, PA; The Great Lebanon County Telecasting Corporation WSMF 21 Florence, SC; Southern Metro Telesystems, Inc. 3 Glenwood Springs, CO; Western Slope Communications, Limited.

CALL LETTER APPLICATIONS: CHANGE EXISTING 55 Springfield, IL: WBHW WZXO KSNC 2 Great Bend, KS; KCKT KOOD 14 Hays, KS; KSMH-TV KSNT 27 Topeka, KS; KTSB KSNW 3 Wichita, KS; KARD-TV KNAT 23 Albuquerque, NM; KLKK-TV CALL LETTERS ASSIGNED: NEW STATIONS

51 Ocala, FL: Big Sun Television KIDY 6 San Angelo, TX; Sage Broadc'g KVNJ-TV 15 Fargo, ND; Fargo Broade'g Co. WDZL 39 Miami, FL; 39 Broadcasting Co. 23 Cape Girardeau, MO; Cape Girar-KBST deau Family Television. Inc. 19 Madisonville, KY; Life Anew Ministries, Înc. 38 Greenwood, SC; South Carolina

ETV Commission CALL LETTERS ASSIGNED: CHANGE EXISTING WHRS-TV 42 West Palm Beach, FL; WWPF WNEV-TV 7 Boston, MA; WNAC-TV (5/22/82)

WCPX-TV 6 Orlando, FL; WDBO-TV KGMB 9 Honolulu, HI; KGMB-TV WMOD 43 Melbourne, FL: WKNA

SUBSCRIPTION TELEVISION HAPPENINGS: The recent trend toward deregulation had

finally hit at STV regulations. The FCC deleted its complement-of-four rule, one of the rules holding up WBFF-TV, ch. 45 in Baltimore, from becoming STV. The rule requiring at least 28 hours on non-subscription programming per week was also dropped. Also dropped was the rule requiring that decoders be leased and not sold. These regulations were originally adopted with the intent on protecting conventional television, but it has since been found that protection was unnecessary, and that the STV regulations had actually hindered the growth of UHF television.

ABC Television Network has been planning a "Home View Network" which would provide scrambled programming to owned-and-operated stations as well as affiliates on a nationwide basis. The FCC has granted STV approval to all five ABC-owned stations. all of which are on channel 7: KABC in Los Angeles: KGO-TV in Lan Francisco; WLS-TV in Chicago: WXYZ-TV in Detroit, and WABC-TV in New York City. STV approval for Home View Network was also granted to ABC affiliates. CONSOLIDATED HEARINGS

• Lakeland, Florida; ch. 32; Lakeland Telecasters, Inc.; Plaza Broadcasting, Inc.; Figgie Communications, Inc.; Mid-Florida Telecasters, Inc.; Public Interest Corporation. Inc.; Channel 32, Inc.; Manning Telecasting. Inc. Mid-Florida, meanwhile, is having problems with its proposed tower location; It seems that 2107 residents of Lake County, Florida signed a petition against the TL. Also opposed are several city mayors, city councils, and many other private individuals and families. They are all questioning the impact on the quality of human environment, detracting from the natural beauty (lakes, hills, orange groves, etc.), zoning and planning complications, and many other issues.

Akron, Ohio; channel 55; Ebony Blackstar Broadcasting Corporation; Rhema Television Corporation; Akron Telecasting, Inc.; Ohio Telecasting, Inc. Owners of WAKR-TV. ch. 23 in Akron, are protesting OTI out of fear of competition, hinging on the arguement that OTI's proposed TL is midway between Akron and Cleveland, putting the question as to which community it wishes to serve. OTI proposes STV as a source of income.

RESULTS OF CONSOLIDATED HEARINGS: Des Moines, Iowa; channel 17; all applicants withdrew their applications except The Independent Broadcasting Corporation, which was granted a construction permit. • Wilmington, North Carolina; channel 29: FCC dismissed application by Cape Fear Tele-

vision, Inc. and granted CP to Wilmington Telecasters. Inc.

OTHER FCC ACTIONS: FCC valved its rules restricting use of TV aural subcarriers to permit WILL-TV. Urbana-Champaign. Illinois to transmit programming on its subcarrier, but deferred action on a similar request by WTTV in Indianapolis. IN. • The FCC granted action to four Charleston. SC television stations to move their transmitters to a common site 15 miles northeast of Charleston.

STATIONS ON THE AIR: • WKOI, ch. 43, Richmond, Indiana; 2296.2 ky ERPvis.; 987' HAAT (1903' above sea level); TL at Route 73, Collinsville; began 5/11/82; address: Trinity Broadcasting of Indiana. Box 1075, Richmond, Indiana, 47374 WILW, ch. 44, Lima, Ohio; 904.9 kw ERP; 677' HAAT; 1532' above sea level; TL at studio, 1844 Baty Road, Lima; began 6/13/82; address: American Christian Television Services, 1844 Baty Road, Lima, Ohio, 45807

STATION OFF THE AIR: • WWAC-TV, ch. 53, after almost one full year of broadcasting in Atlantic City, NJ. on 6/21/82 at 7:00 p.m. EDT. Financial problems.

Effective 9/11/82, WSAV-TV, ch. 3 in Savannah, Georgia will become ABC (now NBC); WJCL. channel 22 in Savannah will change from ABC

FCC TV NEWS TELETEXT STATIONS:

KIRO-TV, ch. 7 in Seattle, Washington, is experimenting with CEEFAX. WGBH-TV. channel 2, and WGBX-TV, channel 44, both in Boston, Mass., will experiment with ANTIOPE. Also, on the night of 6/21/82. I noticed WAAT in Wildwood, New Jersey, which doesn't have a direct link with NBC, but rather relays KYW-TV in Philadelphia instead during network programming, relaying WNBC in New York that night. During the network programming, teletext signals of some type were being transmitted on lines 15 and 16 of both fields. So apparently WNBC, channel 4 in New York, has been using teletext. Can somebody confirm this and provide more information?

FORUM:

Leslie Price reports that construction of WWAY's tower in Wilmington, North Carolina is under way, and expected to be used on August 2. 1982. The tower is 5 miles southwest of Winnebow, North Carolina. He also included a clipping from a newspaper's legal notices, which I didn't think anybody ever read. It's a public notice stating that ABC filed an application with the FCC requesting a limited STV authorization to provide subscription programming over WWAY for three hours between the hours of 2:00 and 6:00 a.m. Eastern time. The hours on which nationwide hours are proposed are 2:00 to 6:00 a.m. Pacific and Eastern times, and 1:00 to 5:00 a.m. Central and Mountain times.

A clipping sent in from Bill Thompson from the 3/20/82 Buffalo News giving detail on the consolidated hearing on channel 49 in Buffalo, which was mentioned in last month's column. The FCC granted the application of Bison City Television 49, and dismissed the application by Unific Broadcasting Company because of lack of financial qualification. Unific was constantly changing its financial proposals, claiming credit which it didn't have, and hoping for a loan deal which fell through. The article gives some insight into the process of a consolidated hearing. An administrative law judge determines such things as financial ability to construct a station (also environmental impact, hazard potential to air navigation, multiple ownership of other stations, etc. which were not factors here and not mentioned in the article.) and makes a decision. The decision is then recommended to the Commissioners and

subject to approval by them. Another clipping sent in from Bill is from

the 5/5/82 Buffalo Courier-Express, mentioning that the Western New York Public Broadcasting Association, owner of WNED-TV, channel 17 in Buffalo, filed an application for channel 23 in the same city (see the 6/6 column). This is in response to an earlier application by Commonwealth Foundation for Public Broadcasting (see 5/82 VUD). WNED-TV proposes 66 hours of broadcasting over ch. 23 to start, later building up to 115 hours. The article quotes a Portland, Oregon paper which questions why Commonwealth Foundation, goes off the air for good. Along with WWAC, a Massachusetts foundation, would want to

apply for stations in other states (Portland OR; San Antonio, TX; Washington, DC). Apparently there are presently nopublic television stations owned or operated by a licensee from outside that (the station's) state. Leslie Price has been keeping a close eye on KTMA and WFBT. KTMA hopes to be on the air by 9/1/82, and WFBT plans for 10/1/82.

From Paul Swearingen, this article in the Iola, Kansas Register, 6/10/82. The Kansas State Network is building a translator tower 2 miles southwest of Moran, Kansas, to rebroadcast KTVJ, ch, 16, Joplin, MO, owned by KSN, and educational station KTWU, Topeka. The KTWU signal from the translator is planned to be picked up by another future translator in Independence, MO, hopefully without the use of a translator relay medway, which would cost an extra \$50,000.

From Tom Yingling, several articles. One mentioning theelimination of FCC rules for STV. which were discussed earlier. Another article tells about the latest in television receivers, manufactured by Suwa Seiko Co. That's right! Seiko, the company that makes wrist watches. This is a 1.2 inch television using a liquid crystal instead of a picture tube, on a wristband; this device also has FM radio, tells time, date, and has an alarm! It's only a third of an inch thick, has headphones to go with it. It will be on the market early next year. Another clipping sent in from Tom describes the plans of Christian Enterprises, Inc. for eight LPTV stations and six translators to cover large areas of Virginia and the Carolinas with the National Christian Network. Although written later than 3/12/82, it expresses the hopeful atmosphere prevalent about LPTV before the freeze. It will be interesting to see how many, if any, ever come to pass. (Especially the proposed LPTV on the nonexistent channel 37. in Sumter, South Carolina.)

Bill Draeb confirms that WKOI, ch. 43 in Richmond, Indiana, is on the air, and says they have religious programming.

And now it's time for me to once again pick on WDPB, that whatever-it-is on channel 64 in Seaford, Delaware. If you don't think it's a translator, you should see it pick up WWBT in Richmond when WHYY signs off. And another thought: WHYY is now broadcasting tradional commercial advertisements as one of ten PBS stations taking part in the alternate-funding experiment. Is WDPB, as a licensed broadcast station and not part of this project, illegally broadcasting these same commercials simultaneously with WHYY?

As if bankruptcy isn't enough of a problem for WRBV-TV, ch. 65 in Vineland, NJ, more problems are arising. For one, this question was brought up: Does a municipal zoning board have jurisdiction over state property? The Appeals court says yes, and WRBV, which was granted a tower in the state pinelands, must now get municipal approval or take it down.

And the state is creating more problems for WRBV. It wants to cancel the lease on that tower. Time will tell is WRBV survives or it may fall victim to the UHF handicap.

Bruce F. Elving, Ph.D., Editor 4515 Avenue "É" Kearney NE 68847, U.S. A.

New FM Stations Authorized AL Evergreen WTII 93.5 3000 h,v; 235'; kr AR Murfreesboro 95.3 3000 h,v; 300' CO Wray 98.3 3000 h.v: 13' FL High Springs 104.9 3000 h.v. 300': k FL Madison 104.9 3000 h,v; 300'; rock GA Cairo 102.3 3000 h,v; 300'; rm IL Charleston *88.9 4000 h,v; 165' E. IL. U. IN Indianapolis 107.9 44000 h,v; 525'; mj, People's. Initial decision, subject to reversal. IA Hampton 104.9 3000 h,v; 300'; rm IA Osceola 107.1 3000 h,v; 300' MO Columbia 101.7 3000 h.v: 300' SC Gaffney *91.1 g, 98000 h,v; 580', directional antenna-Bible Broadcasting TN Bristol *91.5 1606 h,v; 2290', Appelachian

Educational Communications Corporation TX Kenedy 92.1 3000 h,v; 220' TX Winnsboro 104.9 3000 h,v; 300'; m WV Westover 100.9 3000 h,v; 265' AT Calgary CKRY 105.1 100000 h,v; k, ON Air! Facilities' Changes Authorized AL Ozark WOAB 104.9 2500 h.v; 270'

AK Anchorage KSKA from *103.1 to *91.1 Ifirst AK station outside of military to invade 88-98 portion of FM band] 36000 h,v; 110' CA Auburn KHYL 101.1 36000 h.v; 580' CA Marysville K220AG *91.9 [from K210AA 89.9] ON AIR; well received 160 km away on DX equipment.

CA Pasadena KPCC *89.3 700 h,v; 2760'; reduces coverage to 30, 70 miles (primary, secondary) CA San Bernardino KOLH 95.1 50000 h, 48,000v (320').

CA Santa Ana KWIZ-FM 96.7 200' (3000 h, / CO Salida KVRH-Fm 92.1 3000 h,v (-1120') FL Avon Park WW0J 186.3 1900 h,v (310')[(5701 FL Jacksonville WIVY"-FM" 102.9 100000h,v:/ FL Titusville WAJX 98.3 2000 h,v; 355' FL West Palm Beach WNGS 92.1 2000 h.v: 380 GA Atlanta WSB-FM 98.5 920' (100000 h,v). 0 Net. IA Fort Madison KBKB-FM 101.7 NBC, rm ID Salmon KSRA-FM 92.7 1510 h.v: -880' IL Decatur WJMU from 89.9 to *89.5 265; 115' IL Harrisburg WEBQ-FM 99.9 32000 h.v; 620' GA Marietta WGHR *102.5 250' (16 watts h,v) IL Waukegan WXLC 102.3 2300 h,v; 350' IN South Bend WET L *91.7 3000; 300' [120' IN Valparaiso WVUR from 89.5 to *95.1 36w; / IA Sheldon KIWA-FM 105.5 290' (3000 h,v) LA Lafayette KRVS *88.7 500' (100000 h,v) MD Annapolis WFSI 107.9 50000 h,v (500') MN Minneapolis WCTS 100.3 100000 h.v (4301)

MD Salisbury WICO-FM 94.3 adds vertical WKYZ 105.5 1700 h.v: 385' MA Bustun WUMB *91.9 200 h,v, no DA (170') mA winchendon WXYW 97.7 1270 h,v; 440' MI St. Johns WOTK-FM 92.1 300' (3000 h,v) MI Warren WPHS from 91.5 to *89.1 110 h.v; 110' NV Elko KRJC 95.3 k, UPI Audio MQ Springfield KWTO-FM 98.7 75000 h,v; 550' MT Shelby KZIN"-FM" 96.3 100000 h, 65000v. 690'. NE Mc Cook KZMC 105.3 100000 : 400' NE Ocaliala KMCX from 93.5 to 106.5 100000 h,v; 300'. Seemed quite confused when I called; could not locate station license to read correct HAAT; finally claimed they found it! NV Reno KSRN 104.5 2925' (25000 h.v) NJ Highland Park WV HP *90.3 now said to be 150 watts----', and rock music format. NJ Union WKNJ to *90.3 (from 90.5) NY Brooklyn WKRB bounces back to *90.9 from *103.1, after NY's "Apple" WAPP 103.5 heard it and complained to FCC NY Patchogue WA LK-FM 97.5 45000 h.v. 540' NY Patterson WRVH 105.5 1300 h,v (460'); \$.

NY Staten Island WSIA *88.9 said to have in-

NY Woodstock WOST 100.1 2900 h,v; 305'

creased power; maybe some convention-goer can

NC Kannapolis WR KB-FM 99.7 50000 h,v; 330' NC Salisbury WNDN *102.5 9 watts; 21' ND Jamestown KQDJ-FM 95.5 41000 h,v; 390' OH Youngstown WYSU *88.5 31000 h, 18000 v (110'). OR Ashland KSOR *90.1 35000h,v;2690' PA Chambersburg WIKZ 95.1 directional, claims to have 280', but this doesn't agree with FCC data PA Harrisburg WTPA 104.1 15000 h.v (950') PA Reading WXAC *91.3 220 (h): -23' SC Anderson WAIM-FM 101.1 100000 h,v (780') TX San Antonio KLLS 100.3 100000 h, 50000v, 670'. VA Farmville WFLO-FM 95.7 50000h,v (300'). VA Petersburg WPLZ 99.3 2500 h.v; 330' VA Warrenton WWWK 107.7 20000 h, 17000v:840* WI Beloit WBCR from 88.1 to *90.3 100; 45' WY Casper K269AM 101.7 vertical only; has poorer signal than K204AD *88.7 Casper Formats/Networks AL Decatur WRSA 96.9 CBS WDRM 102.1 rock and country AZ Flagstaff KAFF 92.9 k, "Kaff", KSOJ 93.9 g AR Little Rock KLPO 94.1 k."KFM-94" KLAZ 98.5 to soul AR Salem KSAR 95.9 NBC CA Buena Park KBPK *90.1 rock

CA Chica KCHO *91.1 cr, some jazz; †TB CA Lemoore KQYZ 104.9 NBC's The Source (T) CA Los Angeles KLOS 95.5 rk CA Red Bluff KALF 95.9 k[ountry] CA San Diego KEZL 102.9 rm CA San Jose KLEL *89.3 Mutual CO Castle Rock KRKY 92.1 rock, FM-92 DC Washington WPFW *89.3 no Dolby FL Tampa WJYW 100.7 k for sure GA Manchester WOCK 93.3 k-1 wish you reporters would agree on this station's format; it yo-yos between soul and country; for now k wins out! GA Washington WLOV-FM 100.1 s (from rock) IN Linton WQTY 93.5 rock IN Washington WFML 106.5 rock and country KY Gravson WUGO 102.3 UPI Audio KY Madisonville WKTG 93.9 rock & country KY Morehead WMOR-FM 92.1 rock (no S) ME Lewiston WAYU 93.9 rock ME Norway WOXO-FM 92.7 country

MA Boston WHUE-FM 100.7 D (ABC Direction:/

I(was NBC).

ME Skowhegan WTOS 105.1 rp

MA Orleans WKZE-FM 104.7 Mutual MA Springfield WQAY 102.1 rp MI St. Ignace WMKC 102.9 k, AP Audio, "Northem Michigan Country" MN Rochester KWWK 96.7 rock MO Kansas City KWKI 93.3 rock MT Bozeman KBZN 93.7 T (NBC's The Source) NE Chadron KOSK 97.5 Y (from A), rare 1S SCA, no \$ when broadcasting SCA. NH Berlin 103.7 still on air as WXLQ NJ Long Branch WMJY 107,1 rock NY Corinth WSCG 93.5 k NY Glens Falls WYLR 95.9 rp NY Sympuse WCNY-FM *91.3 ci NC Elkin WIFM-FM 100.9 rock (no \$) NC Hickory WHKY-FM 102.9 g, "Gospel One" NC Moyock WQZQ 92.1 country NC Wanchese . WOBR-FM 95.3 NBC OH Columbus WRMZ 99.7 rm, to change to WZSR PA Greencastle WKSL 94.3 kg PA Lancaster WDAC 94.5 UPI Audio SD Gregory KKSD 101.5 k, K-101 ON AIR (sign on 5:30 a. m.); 100000 h,v; 640'; \$, blank SCA. TX Alice KBIC 102.3 k TX Brownwood KOXE 101.5 NBC (not Mutual, E) WY Casper KAWY 94.5 rock, KY-94, no SCA WY Cody KTAG 97.9 Transcom (satellite) net-

work whatever that iel

WY Powell KPCQ 92.9 UPI Audio, "Q-92"

WY Worland KEMB 95.9 rock, Y network SA Regina CKIT is 104.9 m, \$, 100000 h,v, "Stereo 105"

SCA [† 67 kHz] News CA Fresno KKDJ 105.9 †X (jection) CA Los Angeles KPFK *90.7 +X (about 3% in-/ KRTH 101.1 no SCA CA St. Helena KVYN 99.3 TT (a program on gourmet cooking heard)

CO Boulder KGNU *88.5 †X CO Denver KCFR *90.1 †TX (talking book for the blind plus hi-frequency data noise) CO Fort Collins KCOL-FM 107.9 music IA lowa City KRNA 93.9 adds SCA (again) KS Wichita KICT 95.1 1X (Farmers Grain & Livestock, Des Moines) MD Westminster WTTR-FM 100.7 adds SCA MI Sault Ste. Marie WSUE 101.3 no SCA

NJ Newark WRGO *883 no SCA WHB1 105.9 ethnic (Greek, weekends) NJ South Orange WSOU *89.5 no SCA NY New York WNYE *91.5 no SCA

WCBS-FM 101.1 F (financial news in clear voice from Dow Jones) WKHK 106.7 no SCA (Sino disappears, or

is it on WVN J-FM 100.3?) NY Syracuse WCNY-FM *91.3 talking book NC Reidsville WWMO 102,1 music PA Mechanicsburg WQVE 93.5 no SCA WY Cheyenne KFBQ 97.9 no SCA, KKAZ 100.7 TX (also heard on Casper 101.7 translator)

Stereo CA Turlock KCSS *91.9 rock and classical CT Stamford WYRS 96.7-finally! GA Cumming WWEV *91.5 (listed as \$ in Feb. column in spite of doubts; June VUD had wrong

calls for this station) IN Chesterton WDSO *89.7, to be "Stereo 90" IN Salem WSLM-FM 98.9 MD Baltimore WSPH *96.7 r (having moved from 88.1, and improved signal with 19 h.v. 76' [has four FM loops, not 2, and higher tower]) MI South Haven WCSY 98.3 NE Broken Bow KBBN 98.3 mr ON AIR

NC High Point WGLD 100.3 "Gold" NC Lexington WLXN 94.1 still g with music SCA TX Kingsville KODK 92.7, rock WV Keyser WQZK 94.1 Q-94-FM

Deletions

CA Long Beach KSUL *90.1, said to have gone off when KCRW *89.9 Santa Monica vastle improved its facilities. Rumored deletion of KNHS *89.7 Torrance not so-it was recently heard by another reporter, despite proximity to strong KCRW 89.9. ME Brunswick WBHS *91.9 off air-apparent deletion. [bankruptcy. ME Houlton WRNE *89.1 off air-school in /

OFF THE AIR-Deleted? CO Estes Park K237AF 95.3 WY Glendo K280AX 103.9 (supposed to move / Slogans/NonIDs

CO Colorado Springs KKFM 96.5 96-Rock GA Columbus WCGQ 107,3 back to 107-Q (101) GA Perry WPGA-FM 100.9 Magic-101 (not FM-/

IL Chicago WBBM-FM 96.3 96-Now, frequent user of that slogan plus "WBBM-FM" jingles IN Fort Wavne WFWQ 95.1 95-Q, not Q-95. KY Hartford WLLS-FM 106.3 k, U, LS-106 KY Prestonsburg WOHY 95.5 Q-95 MD Salisbury WOHO 104.7 QHQ (from Q-105) MI East Lansing WKAR-FM *90.5 FM-90 MS Jackson WXLY 96.3 96-XIV MS Vicksburg WKYV 106.7 KY-Country MO Liberty KKCI 106.5 KCI, rp NE North Platte KXNP 103.5 KX-104 ON AIR; 100000 h,v; 480'; \$, k NY Fulton WKFM 104.7 Magic (no "KFM")

NY Lake Success WAPP 103.5 The Apple, rp, †X NY Niagara Falls WZIR 98.5 Z-98, not "Wizard" NY Oswego WRVO *89.9 FM-90 NC Charlotte WBCY 107.9 108-FM NC Lumberton WJSK 102.3 Country-102 NC Rocky Mount WRSV 92.1 "92" OH Cleveland WKSW 99.5 KS-100 WWWM 105.7 Magic 105, now

soft reck, expects to change call to WMJI PA Harrisburg WSFM 99.3 WS-FM99 SC Surfside Beach WYAK 103.1 Big Yak Country WV Mullens ... WPMW 92.7 C-92, k, .\$ ON Barrie CHAY 93.1 Chay, Stereo 93 ON Timmins CFTI 92.1 FM-92.\$ ON Toronto CHUM-FM 104.5 Chum

Call Letters' Changes AZ Lake Havasu City 95.9 KBBC (KRFM) CA Bakersfield 94.1 KOXR (KLYD) CA Los Banos 104.7 KSNN (KLBS-FM) CA Yuba City 103.9 KUBA-FM (KXEZ), k CO Canon City 103.9 KRLN-FM (KSTX) CO Leadvilla 93.5 KLMC FL Greenacres (West Palm Beach?) *90.7 WHRS"-FM" (WHRS-FM)

FL Sunrise *88.5 WKPX HI Kesiakekua 92.1 KOAS (KKON-FM) IL Benton 106.3 WQR L (WQRX) IN Michigan City 95.9 WEFM (WMCB), still m IA Dubuque 105.3 KLYV (KIWI) KY Greenup 105.5 WLGC

MD Catonsville 105.7 WQSR (WKTK) MS Lexington 106.3 WLTD (WXMR) MO Kirksville 93.5 KTUF MO Liberty 106.5 KKCI (KSAS), rp, "KCI" NV Incline Village 100.1 KLKT | NC Dunn 103.1 WIDO (WOTI) NY Ticonderoga 183.9 WXTY

NC Edenton 102.3 WZBO OH Columbus 94.7 WSNY"-FM" (WVKO-FM) OH Lima 102.1 WIMT (WIQA), "T-102" OR Redmond 92.7 KZKD (KSBC)

PA Pittsburgh 94.5 WWSW"-FM" (WWSW-FM) SC Orangeburg 106.7 WIGL (WPJS), k, "Wiggle-107."

SD Porcupine *90.1 KILI TN Franklin 100.1 WJKZ (WIZO-FM) TX Austin *90.5 KUT (KUT"-FM") TX Cameron 101.7 KCRM TX Devine 92.1 KDCI TX Edinburg *88.5 KOIR TX Kerrville 94.3 KERV-FM (KPFM)

TX Laredo 98.1 KRRG TX Mercedes 106.3 KTXI (KTMW) TX Whitehouse 99.3 KFML

UT Logan 94.5 KMXL (KJKJ) UT Tooele 92.1 KTLE-FM (KTLE) VT Randolph 102.3 WCVR-FM

WA Seattle 102.5 KZOK"-FM" (KZOK-FM) WV Bethlehem 105.5 WHLX AT Calgary 107.3 CKIK, p. AT Edmonton 92.5 CJAX k (urban country)

103.9 CISN, k (oldies) MB Selkirk 92.9 CFQX

Abbreviations Used This Column

*Educational station, \$ is stereo, h horizontal polarization v vertical or circular polarization. DA directional antenna. Program codes: c classical, g gospel, j jazz, k country, m middle of the road (no rock), p progressive rock, r rock, s soul, t talk. Network Codes: A ABC-FM with ABC standing for American Broadcasting Company, C Columbia Broadcasting System, D ABC Direction, E ABC Entertainment, I ABC Information, K ABC Rock, M Mutual, N National Broadcasting Company, O CBS Radioradio, P National Public Radio, Y ABC Contemporary. SCA symbals, following t, include: E ethnic or foreign language, F financial or talking farm news (including Dow Jones II), M music, TB talking book for the blind, X is teleprinter or audible

Readers' Reports and Comments

"What is happening to FM radio these days? With the exceptions of classical and religious formats, stations are filling the airwaves with the same monotony. It seems that rock, album rock, contemporary, and country stations are more restricted and are not introducing new material that deserves credit. The decline of the record industry can be blamed in part, but most of the problem is in the broadcasters. The broadcasting industry is more worried about ratings than the people who they are licensed to serve. I've noticed the problem is worse in America's heartland, but it is noticeable even in New York and Philadelphia. Maybe it's just the calm before the storm, but if FM radio doesn't improve soon, it just won't be the good entertainment source it was in the past," writes James Lyons, Bound Brook NJ.

About WKRB Brooklyn: "The station, which was on 103.1 for almost a year, was booted back to the educational band with the help of WAPP 103.5. WKRB filed an application to the FCC for a change in frequency to 103.1 in 1981. WKRB never heard a reply from the FCC until they renewed the license and printed 103.1 on the form. After the station moved to 103.1 nobody made a complaint until WAPP took over the old WTFM, and protested. The FCC agreed and ordered WKRB back to their old spot. The presence of WKRB was never known to the people at WNEW-FM on 102.7."

Kansas City 93.3 has definitely gone rock, but Neil Zank heard them recently inviting listeners' comments about what they wanted heard on that frequency. He points out the word "Norfolk" missing from the FM ATLAS geographical directory. Nick Lombardi wanted help in deciphering the jumble on p. 84 in Grand Forks ND, which should be 94.7 KYTN. On p. 90 WRIO Radford VA has a frequency of 101.7, not "101.&." Nick adds: I agree with Andy Smith about eliminating "d" as a listing and changing all such items to "s." When disco first started in the mid-70s, it was strictly instrumental music with a distinctive beat and not in any way "black oriented." I really don't think that that form of music exists any more, as I never hear the term "disco" used these days. Stations which used to be "pure" disco [such as WPGA-FM 100.9 Perry (SA) have gradually evolved into a smooth-sounding type of soul which is somewhat more civilized than the typical ranting, raving, wild-shouting which used to be the sence of Black soul music. . . If the \$ generator of KGO-FM 103.7 San Francisco remains on, an occasional stereo commercial may slip through, so dropping the \$ listing may be premature. (I will still leave the listing as a stereo station out unless I hear otherwise, using the same principle in dropping the listing for Canada's CKO-all news stations, which do run their stereo generators, but for what I allege to be fradulent reasons.]

WHOM in Portland ME asked me to update the testimonial in which I credit them for the largest land-area commercial FM coverage in the United States, so I did. Chances are, they'll quote me in their sales literature. WWEB *89.9 Wallingford CT off the air summers, still 10 watts and may have trouble increasing wattage because of being 197 miles rather than the required 200 from the Canadian border. During the school year it is on about 6 p. m. to midnight and does some creative programming, although a high school in a neighboring community has applied for the 89.9 frequency. Richard Wood noted a time-sharing arrangement might work for them.

A judge halted the sale of HBO MDS antennae in Minneapolis, using Sec. 605 of the Communications Act as the basis of his action. Red Wing 105.5 now identifying as "K-Wing, KWNG FM 1051/2 Red Wing," so are using new calls. "Rotten rock, as well.

"I never want to be anyplace where there is no SCA! I am pleased with the G. E. Superadio that you sent me," writes Kent D. Delaney, a recent high school graduate from Greenville TX KFSI *88.5 Rochester MN writes: "We are still operating at reduced power due to the interference problem with Television Channel Six. Quite frankly, I don't understand why they have kept us at half power, as we've not had a television interference complaint in at least sixty days. However, that is in the Lord's hands and we'll wait to see what He'll do with it for us.'

Von W. Mosser in WV feels that WISE 102.9 Cumberland MD must have bit the dust by now, thinking that they are not even on extremely low power; so maybe it's time for Hank Holbrook to take another drive into the mountain passes and have his Blaupunkt glued to 102.9! I was in Colorado's mountain country and noted no stereo on KVMT 104.7 Vail CO. A letter to them is unanswered, so I do not know if they have quit stereo for good or not. WRHY 92.7 said to be in York PA now, not Starview. This column goes by what the station says at the top of the Rochester, Mn. 55903

K-Faith Sound Inc.

hour in its legal identification, not stations' mailing addresses. Listen again to them! Also, note if 106.7 identifies as Elizabethtown or Hershey. KHUM *89.3 Denver still not on air, and their telephone at 629-2510 was not answered when I was in Denver, Richard Perrin and others sent me clipping on WVGA, Simon Geller's 104.9 station in Gloucester MA. A fuw of you may have seen my letter in "Open Mike," Broadcasting, June 7 issue. WBLV *90.3 with 100 kw Twin Lake MI, a fine arts station, was to have signed on July 3. WJR-FM 96.3 Detroit wants to change call letters, possibly to WHYT, with m or rock. CONTRIBUTORS, July VUD: Frank Aden, Portland OR: Phil Boersma, Spring Lake MI; John H. Demmitt, Belleftone PA; Mike Dorner, Jr., Metairie LA; John Ebeling, Bloomington MN; Don Erickson, Riv erside CA (who says KARQ channel 1 was scheduled for operation in July, 1948, but apparently never made it); Lawrence J. Ernst, Ann Arbor MI; Eric Fader, Bayside NY; Ted Fleischaker, Louisville KY; Kevin Hilley, Lindenwold N.I. John M. Jefferson, Pleasanton CA: Mike Kohl, Homer AK: A. S. Lobel

San Diego CA; John Major, KCMA Owesso OK (who says they are using regular satellite-relayed "live" concerts from WFMT Chicago); David J. Nieman, Akron NY; Paul E. Petosky, WHUH Houghton MI; Rajph Strobel, Muncie NI; Phil Sullivan, Acton MA; Drew Techner, Philadelphia PA; Bill Thompson. Buffalo NY; John Zondlo, Oklahoma City OK. CONTRIBUTORS, this month: John W. Basehore, Shiremenstown PA (who also likes the GE Superadio for its selectivity and sensitivity), Jeff Blair, Lima OH; P. Boersma; Soul Charno, Burnt River ON; John Clark, Casco ME; Tom Cornell, Greentown IN; J. K. Cowger, Greenup IL; Dwight Crabtree, La-Fayette NY; Chuck Crister, who is establishing three FM translators near Greenwood AR; Kent Delanregret NY, Crisck Chair was a statusining three PM translators near GreenWood AH; Nett Defan-ey, Greenville TX; J. Ebeling; Vernon Eaton, Benton AR; Bob Epstein, KLON Long Beach CA; E. Fad-er, Bayside NY; T. Fleischaker; Wendell Ford, Westville IN ("The FM ATLAS has made life more inter-esting and it would be dull and boring without it"); Steven Garren, Winder GA; Morris Goldman, Chicago IL; Dean Hannotte, New York NY; J. Horvath, Staten Island NY; J. Jefferson; Nick Lemonakis, Baltimore MD: Nick Lombardi, Atlanta GA; Eldon S. Luoma, Surrey BC; James Lyons, Bound Brook NJ; Greg Monti, Silver Spring MD; Von W, Mosser, Keyser WV; D. Nieman; Richard H. Perrin,

Wells ME; Ronald Purdue, Byron MN; P. Russell, Orr's Island ME; Robert E. Schweitzer, E. Brunswick teletype as well as alphanumeric data and tones.

Welcutt, New York NY; D. Wilson, Kent OH; Dr. Richard E. Wood, St. Louis MO; Tom Yingling, Jr., Baltimore MD; Neil G. Zank, Lincoln NE. 73,

check this one out?

Ralph Strobel, editor

2300 E. McGalliard Rd. Muncie, Indiana 47303 Deadline: the 5th

For FM DXers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

E-skip was quite prominent during the month of June. Many openings which were seen on TV didn't make it to the FM band, while others made a brief appearance into FM. Even so, there have been some fine E-skip days for everyone to enjoy up here in the north. June was a cooler month than usual with low humidity. This caused a rather poorly tropo situation. Now to the reports and many days of typing.

Frank Merrill - P. O. Box 7207 - Toledo, OH 43615 EDT - Phone (419) 866-8589

Hi! Hope that ALL of you are reading this while listening to a great 750 mile Tr logging or something, or that at least the DX season was a great one for you! This will see print near the end of the DX season. Therefore, my use of the past tense here, though this is being typed only on June 13 at 1 in the morning. Early indications are that this could be a banner FM skip season, as there were three different days with Es either on FM or Channel 6 in May, something I have NEVER noticed before! I am doing very little traveling during June and July, and am leaving almost absolute flexibility in my schedule, so that THIS time, when the all day Es "barnburner" comes. I can listen to it! I have been DX'ing FM for seventeen years (as of June 10, which I celebrated by getting a nice Au logging), and I have yet to encounter one of those day long Es openings (MUF to 107.9+ for six to ten hours in one day), and have unobstructed use of good equipment to DX with! Last June 25 was the closest I've come to that, but the skip was at 107.9 for less than one hour total and there was a guy from England here buying records from me and I had to ferry him back and forth. Now that I've "freed myself up" 90% of the time, my luck will mean that the "barnburner" will come on the June 26 weekend (when I'm at the GWDXA Convention in Kent, Ohio), or while I'm on STATEN ISLAND! We'll just wait and see. Another thing that portends a great season is that I already have 25 new this season (total now unofficially 1245), as compared to 8 at this time last year! And only 8 of these 25 can be attributed to nearby stations that weren't on last year. Because of the severe lateness of most of this DX. I will still list my new stations from last year, but in summary form only, without the informational details that I usually list:

81 Es KTCU 88.7 and KCBI 89.3 TX 2300. also KWJS 94.9. 81 tr CFMX 103.1 ON (I guess I heard this just in time), 0836 6/8 81 Es TV Es was to CO; had KUNCt 91.5, KSUTt 91.3 around 0300!! Ouch!!

6/17 81 tr wunc 91.5 Nc, WBAG 93.9, WEZS 103.7 evening, 450-500 mi. tough path. 6/18 81 tr WBDC 100.9 IN, WAXU 103.1 KY, WUSO 89.1 OH, WFNE 100.1 GA (625 miles, my

furthest class A tr, fighting WQXE KY), WKEZ 95.7 VA (540 miles) over night. Much later, WABD 107.9 KY 2311.

Es WDNA 88.9 FL (per phone call to them), WHRS 90.7 FL. FL relogs 2000-2100. 6/19 81 tr WLRH 89.3, WDJC 93.7, WAPI 94.5 all 0030-0246 all AL to 600 miles. 6/20 81 Es KRVS 88.1 LA, KNTU 88.5 TX, KLIO 92.1 LA, KTRY 94.5 LA, KIXS 93.3, KSMB 94.5. KRIG 98.1 all late afternoon.

6/23 81 Es MUF briefly to 90.5 at 2002. Probably CBHA NS.
6/24 81 Es WCKX 95.7 FL 1256, NOTHING else noted on FM, but mucho TV Kicks-96. 6/25 81 Es KZOR 94.1 NM 1056; then the opening faded. But DID it come back... KOKL 94.3 OK KEBC 94.7 OK KWEY 97.3 OK all on car radio. Then I got home: KADX 105.1 CO, KXLS 99.7 OK, KPPL 107.5 CO, KACV 89.9 TX, KINF 91.9 KS. KOGA 92.7 NE, KNEX 96.7 KS, KANZ 91.1 KS, KTSC 89.5 CO, KFKZ 96.1 CO. KUIN 92.7 UT, (NEW STATE), KOSW 96.5 WY, KOUY 95.5 MT (1460 miles), KKOZ 97.1 MT, KRLY 93.7 TX (What's this doing in here?), KYBS 97.5 MT. KYYZ 96.1 ND. KOPR 94.1 MT (1460), CKUA-3 97.3 AT (1520, and NEW PROVINCE!) KAAK 98.9 NT (1420), KCGM 95.7 NT, KMMR 100.1 NT CKUA-2 99.3 (1600!! Ny furthest Es of ANY kind, ever on FM or TV), AT, KIZZ 93.7 ND, CJGL 94.1 SA. CBKF-4 91.9 SA (lookie where that one is! 1500 miles?), all between

2154 and 2232. KXXE BLASTING IN!!! 6/26 81 Es KSUC 88.3 TX, KREK 104.9 OK, KMCK 105.7 AR, KCMW 90.9 MO (550), KLJC 88.5 MO (600), KSPI 93.9 OK, KEZO 92.3 NE (640) and probable 94.1, 90.7. and 91.5 from Omaha also. KNEN 94.7 NE, KRGI 96.5 NE, KIXX 96.1 SD, KLUM 88.9 MO (only 510 miles, previously Tr), KSJM 93.3, KBRK 94.3, probable KDLO 96.9. KRVN 93.1, KROA 95.7 all 1230 to 1403! Fastest moving opening ever noted here, and one of the closest! Moved from TX to SA in 2 hours! NORTHERN IM DX

Frank Merrill cont'd:

AUGUST 1982

7/4 81 Es KGNZ 88.1, KNFM 92.3, KBAT 93.3, all TX around 1100.
7/5 81 Tr WAOF 100.9 MI new "nest" noted

BI Tr WAOP 100.9 MI new "pest" noted running all night.

Es KJAK 92.7 TX, KTEZ 101.1 TX, KLEA 101.7 NM (hi Jim), KQIP 96.9 TX, KATK 92.1 (calls?) NM, KWMJ 103.3 TX (hard to ID), KTZA 92.9 NM, KZOR 94.1, WSLY 99.3 AL (another strange misplaced one: how did this get here?). KONX 100.3 TX, XHTO 104.3 MX, XHGU 105.9 MX (no ID but "F.M. Siempre Rey;" heard good ID on XHTO), both 1420 miles, KENW 89.5 NM, KNIT 95.3 NM, KTXT 88.1 TX, KTEP 88.5 TX (1420), all between 1918 and 2140. MUF was never above 103.3 during this opening.

7/6 81 Tr WGBZ 95.9 PA 0019 (WHFD was going off nightly for awhile! Normally NSP,

which resumed quickly after this, in fact).

7/8 81 Es WCMQ 92.1 FL, WAFG 90.3 FL, WMUM 94.3 FL, WVHG 92.1 FL, WPRK 91.5 FL, WQLM 92.7 FL, WSGL 97.7 FL. (No ID or anything else of discernable local nature noted! But I count it. Why? Because I called them up and talked to the woman announcing and she was shocked about where I was and she said she'd ID after the next hillbilly song. At the time for the impromptu ID it faded out, but a few seconds later it faded back and she was talking about a guy from Toledo who had just called); WINK 96.9 FL (on car radio), WMNF 88.5 FL all from 1600-1733 fadeout. Actually, the opening was working across the gulf, because from 2132 to 2215: KVRN 92.1 TX, KGOL 107.3 TX, KOYE 94.9 TX, KVLY 107.9 TX, KKKK 99.1 TX, KPHJ 94.3 TX; TX relogs.

7/9 81 Es WNJY 94.3 FL relog 1100. Tr WTMB 98.9, KSAY 96.1, WOI 90.1, KUNI 90.9 around 2200.

7/10 81 Tr KWNO 90.7, 0158 NE, ID ed just in time as I was losing it! 3kw/640 miles! WYMS 88.9 messed up my WRRGt 88.9 at same time. WGLU 92.1 PA (using quasi-obscene "Glue-92" slogan. YUCK!!), 0441, WVPM 90.9 WV 0600 s/on.

7/11 81 Tr KFUO 99.1 MO 0117 completes St. Louis commercial band for me: WKYQ 93.3.

7/14 81 Tr WRRG 88.9 IL 0328 (10 watts and 215 miles)

8/14 81 Tr WRBI 103.9 IN 2331, Reds baseball, exceedingly tough one due to WXKE/WDJX, WRBR as well as (of course), local WLEN!

8/15 81 Tr WNST 106.3 WV all night, k

8/19 81 Tr KICD 107.7 IA (620), KESD 88.3 SD (720, previously by Es), KRSW 91.7 MN relog, and virtually NOTHING else unusual noted on either FM or TV at 0100.

MS KESD 88.3 SD 0103 while heard on Tr! Now by Es, Tr, MS! 8/20 81 Tr KESD 88.3 SD again! around OlOO (and again, not much else...)

8/26 81 Tr CKAT 101.9 ON (500), CHNO 105.3 ON both running all night. 5/27 81 Tr WSYR 94.5 NY 0224. Then I really cleaned up by taking full advantage of a good situation! Local WKLR 99.9 was off for 2% days for extensive remod-

eling, in connection with also changing to their new nodern k format. 8/31 81 GW WVAF 99.9 WV 0014, CJFI 99.9 ON (Testing with open carrier. I got ahold of the engineer and he threw an ID on for me!!)

9/1 81 GW CBCS 99.9 ON (CJFI not testing today). (Canadian oil talks at 1733 // to

95.1 and Channel 9), WTHI 99.9 IN at 1933. 9/2 81 Tr WJVL 99.9 WI 0044 taped nice ID; never expected to hear this one. Guess I'm lucky there wasn't Tr during these 2% days or else WVUD. WBYG. or one of the others could've been overbearing.

<u>/3 81 Tr WTCM</u> 103.5 MI thru WMUZ on portable radio; WMEX 100.9 OH late PM. 5/11 82 Es XHAAA 93.1 MX relog 1604. (What a way to start the 1982 Es season!),

as well as WRMB 89.3, WTMI 93.1 and CCI on WGLE 90.7 later. 5/15 82 GW 2008 WSWR 100.1 Shelby-Willard, end of nx. promo. WKLR off.

5/17 82 GW 0711 WGLE 90.7 OH, Lima wx, ID, (repeats WGTE 91.3 100%)

5/24 82 Tr 0017 WNUS 107.1 OH Belpre, ID, ads, NOTED OFF: WIOT 104.7.

GW 0130 W221?? 92.1 OH Archbold, WPOS translator. (I stopped by WPOS the other day and the Chief doesn't know their calls!) (#41 92.1) DRAT! A good frequency bites the dust...for Tr anyway; 1321 WOBC 91.5 OH Oberlin, now here, ID.

Es 2215 KIVY 92.7 TX Crockett, Overstreet Tru-Value in Crockett: KEXX relog. 2220 KKED 90.3 TX Corpus Christi, re: Channel 16 auction.

82 Tr 2357 WUAL 91.5 AL Tuscaloosa, ID noted after jazz, (640 miles)

5/2 82 Tr 0106 WDYN 89.7 TN Chattanooga, (475), 0106 end nx, s/off just after WOSU had gone off! But briefly o/WOSU earlier.

0141 WJXQ 106.1 noted OFF!! Odd for a Wednesday, so I pointed the antenna west to try for badly wanted WMIL and heard ...

0142 WKGO 106.1 MD Cumberland, off the BACK! Tons of ID's, etc. Thought this was possibly pointing to a super Tr opening into Washington/Baltimore but absolutely nothing else unusual from that direction noted! WJXQ back on by 0300. WUOT 91.9 TN Knoxville

GW 2300 WRDL 88.9 OH Ashland, ID, formerly 89.5 w/low. Now 3000 watts

AUGUST 1982

6/3 82 Tr 1731 WKHR 88.3 OH Bainbridge, weak ID, taped. Heard better ID at 1733, but tape not rolling. Cannot explain why this one got past WBWC, but you don't hear me complaining, do you?

1830 WNIN 88.3 IN Evansville, ID after All Things Considered. 320 miles to transmitter site, and many tries since then seem to show that this is a weak REGULAR. This would be my furthest "regular" ever, edging out WVJC 89.1 (300) back in the good days of 1980 when 89.1 was clearer, and WEKU 88.9 (290).

1949 WBSN 89.1 LA New Orleans, I knew this wouldn't last, so I immediately called them up and asked, "Are you playing this?" They were! (Female comedy), 250 watts, my weakest Es??
2015 KJEF 92.7 LA Jennings, ID, Town Crier, promo by Happy Fats!
2018 unID 88.3 ?? Noted with tone test!

6/8 82 Es 1022-1045 many North TX relogs or tentatives to 100.3.
Tr 2308 CBEF 103.1 ON Leamington, (CBEF-1), CBC FF //99.3.

2313 WVEN 99.3 PA Franklin, "WFRA information time 11:13" (WFRA is their AM station), I've tried for this hundreds of times!

6/10 82 Au 0150-0207 WILL 90.9 (prior Tr), WSSR 91.9 (prior Tr), 88.5 c, probably WAMU, 89.3 g, 89.3 j, 89.9 j, 91.9 r, 90.9 c, coming in best from the NE! Then the NW started showing some promise for Au DX as well, and by 0230 the best Au DX was from the NW with only minimal signal from the NE! 0501 WRAF 90.9 GA Toccoa Falls, ID, time check, g (I guess I really had no other way of hearing this one because it is a very tough Tr direction to Toccoa, and WGUC runs NSP. WAMU 88.5 (previous Tr), WMBW 88.9, 93.1 r thru WDRQ! 91.5 g also around then. All faded by 0415 or so with WMBW the last to disappear.

6/12 82 Au 2040 KUMR 88.5 MO Rolla, (prior Tr, heard no ID but I called Ralph on this and he was getting the same k by Tr/GW1)

I had thought that Au DX was always strongest from the due north, but I guess that isn't so, because during the 6/10 Au DX the signals started to fade if I pointed due north! Now I even hear that Au DX can be gotten from E-W or even from SE or SW. It was either Andy Bolin telling me last September, or somebody reporting to FM North, telling me that one Au opening was best from the E and W! I also realized that Georgia is the second state that I've heard by ALL modes of propogation (MS-WDEN 105.3, Es-WMTM 93.9, Tr plenty), SD is the other one (KIOV 104.7 MS, and KESD hogs Tr/Au/Es, plus plenty of other Es from there).

One last note:

I can only EMPHASIZE Ralph's recent warning that your FM/\$tereo/TV gear should be well hidden (or taken elsewhere!) when you go out of town. Last September when I went to Montreal, I came back to find all of mine STOLEN except for the TV(!), and I think that they left the TV because I have a profuse amount of ducting tape on it to keep the antenna connections from pulling off - the purpose of the tape is to keep the pre-amp power supply lifted up instead of pulling on the connections with its weight, and the thief apparently thought the cabinet was CRACKED and therefore not sellable! It is still not always possible for me to dismantle my equipment and take it somewhere else, though, but I now TRY to do so. Luckily, I was able to replace my speakers, my amplifier, my cassette tape deck, my turntable and my McIntosh MR-78 tuner ALL cheaper than what I paid the first time! All DX between late Sept. 1981 and pre-May 24, 1982 (which wasn't much, hi), was with my GE Super Radio porttable, or my ancient vintage 1965 KLH-18 tuner on which I heard all my Michigan DX during the mid and late 60's, as well as virtually all my Toledo DX up to 1979! One final word regarding the burglary - I'm glad they left the TV set - because that would have been by FAR the most difficult thing to replace! I'm using a Zenith 13" color set, and it IS hot for DX and very selective. I doubt that ANY replacement TV could be as good. That's it (hope there's lots of SKIP tomorrow).

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Dave Hascall - 211 N. Merrill - Fortville, IN 46040 All times are in CDT/EST as IN fails to observe DST

 $\frac{6/15}{0151}$ $\frac{\text{tr}}{\text{WFRN}}$ 104.7 IN Elkhart, g or m 1736 WCFR 93.5 VT Springfield, p\$ 1738 WKXA 98.9 ME Brunswick, k 6/15 Es 1753 WOXO 92.7 ME Norway, k 1700 unIDs 1754 WHOM 94.9 NH Mount Washington, nx 1731 KEAN 105.1 TX Abeline, ads. \$ 1744 KBUF 97.3 KS Garden City 1821 WDEA 95.7 ME Ellsworth 1746 KKKK 99.1 TX Odessa, ads 1838 WWAY 100.1 ME Auburn, ads 1850 WCOU 93.9 ME Lewiston, p, ex-k? 1755 KRQY 98.9 CO Pueblo, new calls 1806 KLMR 93.3 CO Lamar 6/8 tr 0917 WPCD 88.7 IL Champaign, p. "88-Rock" 6/15 tr 0925 WNDU 92.9 IN South Bend, "U-93" 2140 WJCD 93.7 IN Seymour, p\$ 0930 WBYG 99.9 IL Kankakee, Trading Post 2206 WVXU 91.7 OH Cincinnati, j 0933 WTHQ 101.5 IN South Bend, r, ex-WWJY 6/17 Es 1940 KYGO 98.5 CO Denver, \$ 6/9 tr 0009 WSAL 102.3 IN Logansport, b 1942 KOSI 101.1 CO Denver, m\$ 2017 KAWY 94.5 WY Casper, \$ (New symbol b - Big Band mx) 2025 KTAK 93.9 WY Riverton, \$, ex-93.5 6/14 ms? 1000 WCBU 89.9 IL Peoria 2046 KIQZ 92.7 WY Rawlins, \$ 2135 KCWC 88.1 WY Riverton, poor "...was killed in Peoria..." Hello everyone! Well, we are deep into another Es season and my bad luck continues --I choke when it comes to skip. I always wind up with those stupid non-ID stations or an NPR concert with no ID for a LONG time or an m station with no interruptions (they mean ID's, hi!) for 58 minutes on WDMR-Dentist Music Radio (hi!). Seriously folks, these stations are a BIG problem for DX ers. While I was typing this, I found a huge envelope from WCFR in Springfield, VT. Inside was the nicest verie letter I have ever received from Joe Randolph, music director, who was on the air when I logged them! "Every now and then we receive a letter like yours, and we have to smile.... Your report of distance listening is the farthest in recent memory." He also sent a list of the top songs, coverage maps, and promo stickers. Thank you, WCFR!! Let's all tell Dr. Elving that b should stand for big band mx! Hi! Log is now at 268. 73's and great (not good) DX, Dave

Mike Ehrhardt - 13515 Broadway, Lot 98 - Alden, NY 14004
Equipment: Kenwood KR-5030, stacked Winegard antennas w/rotor at 30 feet.

6/7 Es	6/7 Es
1531 WPCS 89.3 FL Pensacola, ID	1913 KYND 92.5 TX Pasadena, ID, "Kind-92"
1607 WKJA 92.1 NC Belhaven, "92-KJA"	1930 KYKS 105.1 TX Lufkin, ID
1622 KFXE 92.3 AR Pine Bluff	1933 KIKK 95.7 TX Houston, ID, "Kick-96"
1628 WLWI 92.3 AL Montgomery, ID	"The Houston Tradition"
1640 WQUE 93.3 LA New Orleans, "QUE"	1936 WTAW 92.1 TX College Station, ID
	1943 KAYD 97.5 TX Beaumont, ID
1652 WAFB 98.1 LA Baton Rouge, ID	1956 KQXY 94.1 TX Beaumont, ID
1655 WONZ 95.1 MS Natchez, "95-Country"	2005 KPFT 90.1 TX Houston, ID
1700 KRRV 100.3 LA Alexandria, ID	2010 KLIL 92.1 LA Moreauville, ID
1700 WPCV 97.5 FL Winter Haven, ID	2032 KRVS 88.1 LA Lafayette, ID, "88-FM"
1701 WXLY 96.3 MS Jackson, "The best	6/8 Es
country in the city is WXLY Jackson"	1138 WUWF 88.1 FL Pensacola, ID
1702 WVTH 89.5 MS Goodman, ID	1147 WPCS 89.3 FL Pensacola, ID
1703 WLIN 95.5 MS Jackson, ID	1352 KAFM 92.5 TX Dallas, ID
1715 WNOE 101.1 LA New Orleans, k, ID	1359 KJON 92.1 AR Booneville, ID, nx
1724 KSSN 95.7 AR Little Rock, k, ID,	1400 KKEG 92.1 AR Fayetteville, ID
Accu-track wx	1406 KZIG 89.9 AR Cave City, ID, nx
1738 KEPT 96.5 LA Shreveport, ID	1408 KLPQ 94.1 AR Little Rock, ID, "Q-94"
1800 WWNO 89.9 LA New Orleans, ID	1450 KWLS 93.1 KS Pratt, ID
1812 KZZB 95.1 TX Beaumont, ID, "B-95"	1505 KXCV 90.5 MO Maryville, ID
1830 WWOZ 90.7 LA New Orleans, ID	1507 KSCS 96.3 TX Ft. Worth, ID
1845 WBYU 95.7 LA New Orleans, ID, "FM-96"	1600 KQAA 94.9 SD Aberdeen, ID, "KQ-95"
1848 WWDM 101.3 SC Sumter, ID	6/14 Es
1859 KSRR 96.5 TX Houston, ID, "97-Rock"	0902 WMFE 90.7 FL Orlando, ID
(New Hnderlined)	0907 WOLM 92.7 FL Punta Gorda, ID
Absolutely fantastic Es openings on 6/7 & 6	5/8. Seems that 6/7 was much more intense
as all signals were 4+ or more on S-meter-	Some stations were coming over Canadians.

Absolutely fantastic Es openings on 6/7 & 6/8. Seems that 6/7 was much more intense as all signals were 4+ or more on S-meter. Some stations were coming over Canadians. I feel sorry for Dave Nieman. He missed most of 6/7 because he was at work. I kept him informed by calling him. Not much trops to report. On 6/7 I heard ZEM-FM Hamliton, but didn't get a good enough ID. If this is any hint of things to come, it should be a good Es season.

Good luck, 73's, Mike

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NORTHERN FM DX

6/3 Es 2107 unID 90.5 ?? very brief

1828 KETR 88.9 TX Commerce

Dr. Bruce Elving - 4515 Avenue "E" - Kearney, NE 68847

Skip May 16 between 1930 and 2101 CDT: KQEZ 103.9 Coolidge AZ, KFMG 107.9 Albuquerque NM, KPRI 106.5 San Diego, KPFK *90.7 Los Angeles appealing for funds; this was my first southern CA reception in over two years of DXing from here. From NV: KNPR *89.5 Las Vegas, KOMP 92.3 Las Vegas, KILA 95.5 Henderson (apparently no longer in \$tereo, as heard twice in two years mono only), and K221AR Hawthorne NV 92.1. I am assuming it is K221AR, as I heard a complete ID from KKBC 97.3 Carson City. and K221AR is their only known translator on 92.1, with both stations coming in, with 92.1 the stronger. I now know translators skip out!

May 23 I logged KCKS 95.3 Concordia KS and KTLX *91.9 Columbus NE, now believed to have upped its wattage to 100. WCRH *90.5 Williamsport MD in \$tereo May 24 1800. Late afternoon and early evening skip on June 6: KNCN 101.3 Sinton (giving legal id with Taft and Corpus Christi), KKED "classical" *90.3 Corpus Christi, KMCR *91.5 Phoenix, KODK 92.7 Stereo Kingsville TX, KVMV 96.9 now Stereo g, McAllen TX, KVLY 107.9 (no "K-Valley." but with references to "The Valley") Edinburg TX, KBIC, k, 102.3 Alice TX, KSOX-FM 101.7 mono Raymondville TX, rather poor audio. Then KDUV 100.3 Brownsville TX, \$, easy listening, and two of my finest, because I heard and taped them at 7% i.p.s. with rare full legal IDs in Spanish, surrounded by English announcing: XETRA-FM 91.3 Baja California, Mexico (following an ad for 7-11 stores), and, in an English-language jazz show on "FM-92.5." a pause for this (in Spanish): XHRM Tijuana, Baja California, Mexico. Both were received at 2055 to 2100, so Mexican FM stations must give their legal ids with call letters on or near the top of the hour, as U.S. stations do.

Skip June 7 brought WEOL *89.9 Elkton MD, \$, g; WJRZ Manahawkin NJ 100.1, speaking of "Jersey Shore," not to be confused with the PA town of that name; WSNI 104.5 Philadelphia, WDAC 94.5 Lancaster PA, WKSL 94.3 Greencastle-Waynesboro, mono g; WKNC *88.1 Raleigh NC: WLXN 94.1 now \$, g, Lexington NC; WJLK-FM Asbury Park NJ 94.3. WRUR *88.5 Rochester NY, giving complete address in connection with "Community Calendar," and WHYC *88.5 Swan Quarter NC, mono. A new station KXNP 103.5 North Platte NE came on the air June 9 with \$, satellite k. Received on new frequencies: KZMC McCook NE 105.3 from 103.1; KMCS Ogallala NE on 106.5, from 93.5 Most of this DX is on my Kearney FM DX cassette for \$2.75. Regards, Bruce

+ + + + + + Saul Chernos - 79 Ridge Dr. - Toronto, ON M4T-1B6

5/16 Es (from Toronto)	5/29 tr
1540 unID 89.9 ?? two stations	0041 WCZY 95.5 MI Detroit 280
5/18 tr	0725 WYFM 102.9 PA Sharon 265
2328 WAER 88.3 NY Syracuse	0740 WMKC 102.9 MI St. Ignace
2330 WNCQ 97.5 NY Watertown	0912 WREO 97.1 OH Ashtabula 225
2350 WQXK 105.1 OH Salem	1624 WLYT 92.3 OH Cleveland Heights 280
5/19 tr	1635 WEBF 95.7 NY Olean 185
0002 WDKX 103.9 NY Rochester	5/29 ms
OOLO WMHR 102.9 NY Syracuse	2300 WNOE 101.1 LA New Orleans 1225
0013 WCMF 96.5 NY Rochester	<u>5/30 tr</u>
0050 WKFM 104.7 NY Fulton	0038 WMKC 102.9 MI St. Ignace
0052 WETF 101.7 NY Attica	0051 WKFM 104.7 NY Fulton
0053 CKO-1106.9 ON Ottawa	5/30 ms
0115 CFMK 96.3 ON Kingston	0620 KAJN 102.9 LA Crawley
Oll8 WWSE 93.3 NY Jamestown	0816 KXJX 103.3 IA Pella
Oll9 WSYR 94.5 NY Syracuse	5/30 tr
0140 CFMO 93.9 ON Ottawa	0859 CITE 102.7 PQ Sherbrooke, (-1) 340
0146 WQLN 91.3 PA Erie	0950 WOED 89.3 PA Pittsburgh 310
5/26 tr	1004 WYSU 88.5 OH Youngstown 275
1755 WBSU 89.9 NY Brockport	1017 WLBS 102.7 MI Mt. Clemens
1757 WRRN 92.3 PA Warren	1100 WGSU 89.3 NY Geneseo
1800 WYFL 95.1 NY Bristol Centre	1300 WKAR 90.5 HI East Lansing
1905 WRVO 89.9 NY Oswego	1402 WKSU 89.7 OH Kent
5/27 tr	1500 WDTR 90.9 MI Detroit 280
0045 WPCX 106.9 NY Auburn	5/31 tr
1365 CBE 89.9 ON Windsor	0630 WKFR 103.3 MI Battle Creek
5/29 tr (from Burnt River)	6/1 ms
	310 0628 KMGC 102.9 TX Dallas, "Magic" 1305
0003 WGER 102.5 MI Bay City	280 (All times EDT)

1829 WWNO 1225 89.9 LA New Orleans 6/4 ms 0601 WDEF 92.3 TN Chattanooga 775 1830 unID 92.5 ?? "This is it, the 6/7 Au
0500 WCMU 89.5 MI Mt. Pleasant sound of '82. River Parish Radio." Who? 325 1831 KWEH 97.1 AR Camden, "FM-97" 1110 0600 KSJR 90.1 MN Collegeville 1835 KTDY 99.9 LA Lafayette 1360 0602 WIAA 88.3 MI Interlochen # 114 - 00 - AM 1110 - OKO 1627 WYCQ 102.9 TN Shelbyville 1628 WKYD 98.1 AL Andalusia 1045 1630 WQEZ 96.5 AL Birmingham 910 1640 KMBQ 93.7 LA Shreveport, "Q-93" 94.9 AL Mobile. "KSJ" 1190 1125 1645 WREZ 103.3 AL Montgomery 975 1650 WFEX 92.7 LA Clinton 1652 WAFB 98.1 LA Baton Rouge 1230 1653 WOMV 98.7 MS Vicksburg 1120 1654 WXBM 102.7 FL Milton 1655 WQEN 103.7 AL Gadsden 860 1656 WKYV 106.7 MS Vicksburg 1120 1657 WRUF 103.7 FL Gainesville 1090 1658 WCGQ 107.3 GA Columbus 940 1658 WFMF 102.5 LA Baton Rouge 1230 1659 WNOE 101.1 LA New Orleans 1225 1700 WMBW 88.9 TN Chattanooga 775 1701 WACR 103.9 MS Columbus 960 1702 WAJY 102.1 LA New Orleans 1225 1840 KATT 100.5 OK Oklahoma City 1205 1704 WQXY 100.7 LA Baton Rouge 1230 1846 WBSJ 102.5 MS Ellisville 1225 1847 WRR 101.1 TX Dallas 1706 WEZB 97.1 LA New Orleans 1305 1707 WHER 103.7 MS Hattiesburg 1120 1848 KXXI 100.9 AR Fort Smith 1075 1710 WJDQ 101.3 MS Meridian, "Q-101" 1035 1849 WPCS 89.3 FL Pensacola 1120 1711 WQID 93.7 MS Biloxi 1160 1850 WGAF 94.5 FL Gainesville 1270 1713 WRPM 107.9 MS Poplarville 1900 KZZB 95.1 TX Beaumont, "KZB" 1350 1720 WQUE 93.3 LA New Orleans 1225 1904 KCTO 103.1 LA Columbia 1721 WRNO 99.5 LA New Orleans 1225 1938 WCKW 92.3 LA LaPlace 1723 WAIL 105.3 LA Slidell. "Wail" 1941 KVCL 92.1 LA Winnfield 1190 1725 WXLY 96.3 MS Jackson, "96-XLY" 1726 WNSL 100.3 MS Laurel 1085 2000 KLRE 90.5 AR Little Rock 1020 1085 2005 WJYR 92.1 SC Myrtle Beach 780 1728 WKIR 104.1 TN Jackson 2010 WOMT 99.3 GA Chatsworth 1729 KTIZ 96.9 LA Alexandria 1220 2013 WBAM 98.9 AL Montgomery 975 1730 KFMV 107.9 AR Magnolia 1135 2015 WNFM 104.9 TN Dayton 1732 WHMD 107.1 LA Hammond 1200 2016 WJAD 97.3 GA Bainbridge 1030 1735 WDRM 102.1 AL Decatur 850 2018 WKTZ 96.1 FL Jacksonville 1030 1736 WZZK 104.7 AL Birmingham 910 2020 WQXI 94.1 GA Atlanta, "94-Q" 840 1738 WHOD 104.9 AL Jackson 2023 WOKK 97.1 MS Meridian 1035 1741 WHAJ 104.5 WV Bluefield 550 2029 WSB 98.5 GA Atlanta 840 6/8 Es 805 1830 KCND 90.5 ND Bismarck 1742 WYAK 103.1 SC Surfside Beach 1743 WSHG 106.3 SC Georgetown 1105 1745 WJSK 102.3 NC Lumberton 715 1831 KKWB 104.9 MN Breckenridge 1748 WTWX 95.9 AL Guntersville 845 1835 KHBT 97.7 IA Humboldt 1750 WGMB 97.7 SC Georgetown 805 1838 KQWB 98.7 MN Moorhead 905 1751 WVNA 100.3 AL Tuscumbia 1839 KQAD 100.9 MN Luverne 1753 WWYN 98.3 MS Carthage 1840 KYYY 92.9 ND Bismarck 1105 1755 WJMI 99.7 MS Jackson 1085 1842 KXGR 96.7 MN Grand Rapids 755 1756 WYNK 101.5 LA Baton Rouge 1230 1845 unID 104.3 ?? Greektown? Groton? 1758 WLWI 92.3 AL Montgomery, "I-92" 895 975 1850 KLOH 98.7 MN Pipestone 1800 KULM 98.3 TX Columbus 1855 WCMP 92.1 MN Pine City 1804 WEEZ 99.3 MS Heidelberg 1856 KPAT 97.3 SD Sioux Falls 920 1806 WONZ 95.1 MS Natchez 1170 1858 KQCR 102.9 IA Cedar Rapids 700 1808 WHSY 104.5 MS Hattiesburg 1120 6/12 ms 1810 WSKR 104.1 AL Atmore 1300 KTOV 104.7 SD Sioux Falls 920 1811 WMGC 102.9 TX Dallas, "Magic" 1305 6/12 Au 1812 WPLR 96.1 AL Mobile 1125 1830 unID (lots in; no time to DX) 1815 KYKZ 96.1 LA Lake Charles 1310 (= new; = new mode)

June 1-6 was slow E-wise on FM. The June 7 opening featured 80 IDs, a record for me, and 55 new loggings, also a record. In this opening, all DX was the routine stuff although I now seem to be making more of the stuff on the low power FM freqs. AUGUST 1982

NORTHERN FM DX

then a mailing address for "Bluefield." It was in well and there was no state mentioned in the address. This is my shortest FM Es ever. Also, Bluefield is only in WV and not in any of the other target states I was getting. It is also in the southernmost part of the state. I am more or less north of it. The Es of 6/8 was nice in that I rarely get that area. ND was a new state, and IA has only been received on Au and ms. I even got two Ontario TV-2's in that opening. As of 6/12, no more FM Es. Maybe last nights aurora will spur on a start. It can do that. It just needs a little help. Who do we sacrifice to the Es Gods next? Total FM in Burnt River now 548.

James J. Stiles - CFAo/NAFK - Box SU/LR ADP - FPO Seattle, WA 98770 Receiver - Realistic STA-720; Antenna - Grove Scanner Beam; All from Okinawa, Japan

5/27 Es 1200-1230		5/28 Es	
93.1 Seoul, Korea	Music Pgm.	107.1 Hwangji, Korea	Educ. Pgm.
95.6 Peking, China	Program 1	5/29 Es 0930-1300	24400 1 5240
106.5 Chuncheon, Korea	Educ. Pgm.	91.55 Peking, China	Program 3
5/28 Es 1130-1215		94.0 Peking, China	Program 1
88.5 Korea	Unid	95.6 Peking, China	Program 1
90.3 Chuncheon, Korea	First Pgm.	102.6 Peking, China	Program 1
90.5 Gwanyju, Korea	First Pgm.	6/13 Es 1000-1200	U
90.7 Busan, Korea	First Pgm.	90.7 DZMB Manila, Philipp	ines
91.9 HLKV, Seoul, Korea		91.5 DWMM " " "	
92.1 Korea	Unid	92.3 DWFM " "	
92.3 Gwanyju, Korea	Music Pgm.	93.1 DWEI " "	
93.1 Seoul, Korea	Music Pgm.	93.9 DZHP " "	
94.7 Daejeon, Korea	First Pgm.	94.7 DWLL " "	
102.7 Seoul, Korea	AFKN	95.5 DZBU " "	
104.1 Cheongju, Korea	Educ. Pgm.	96.3 DWRK " "	
105.7 Daejon, Korea	Educ. Pgm.	99.5 DWRT " "	
106.5 Chuncheon, Korea	Educ. Pgm.	102.7 DWXB "	
(All times in JST)	4 1.44 2	104.3 DWIM " "	

Identification of stations is relatively simple due to the few number of stations on earch FM channel in this part of the world. However, strong interference is provided between 97-102 MHz due to local Okinawa TV stations on those frequencies.

+ + + + + + John Ebeling - 9209 Vincent Ave. S. - Bloomington, MN 55431

6/6 Es (From Prosit, MN Cabin)	6/26 Es
1535 KUAT 90.5 AZ Tuscon	1038 WPFM 107.9 FL Panama City, r
1604 KBAT 93.3 TX Midland, k 1621 KNFM 92.3 TX Midland	1045 WKTZ 96.1 FL Jacksonville
1621 KNFM 92.3 TX Midland	1050 WPIQ 101.5 GA Brunswick
1000 KUFU 97.9 TX Odessa. r	1100 WKGC 90.7 FT. Danama City
1635 KTBC 92.1 TX Nacogdoches	1102 WOIK 99.1 FT. Jacksonwille Music SCA
1000 WEVO 09.1 NH Concord, pledge drive	1115 WIVY 102.9 FL Jacksonville, "Y-103"
6/19 tr	1120 WRUF 103-7 FL Gaineswille
2237 K269AJ (WAKX Duluth x-lator)	(TV active, but no FM for one hour)
IDI. 7 MN "OWAR-Soudan	1005 Willy 101 F mr m -
6/26 Es (During a good tr day) 0958 WTSU 89.9 AL Troy	1254 WNGC 95.5 GA Athens, k
0958 WTSU 89.9 AL Troy	1300 WVOC 102.9 GA Columbus
1000 WPAP 92.5 FL Panama City	1328 KISR 93.7 AR Fort Smith
1007 MOVY 90.5 FL FORT Pierce, "FM-90"	1340 KDQN 92.7 AR DeQueen
1015 WAYD 90.1 AL Andalusia, k	1354 KTAL 98.1 TX Texarkens
1020 WOOF 99.7 AL Dothan	6/26 tr
(Time CDT: New underlined)	2130 KMSR 94.3 MN South Combine
For June, this has not been a "bang up"]	Es season so far. For example, June 6th
T was at my ashim and had the MV act an Ch	2 -13 1 Campic, oune oth

For June, this has not been a "bang up" Es season so far. For example, June 6th I was at my cabin and had the TV set on Ch. 2 all day - dead! Even CB was dead. All of a sudden, late in the afternoon, skip opened up on TV within five minutes and quickly reached FM. Wasn't good skip, but it started from Arizona and wound up in New Hampshire. You can see stations logged on the Prosit list. Funny thing, WEVO 89.1 Concord, NH last one logged that day (thanks to fund raising drive and frequent call letters) and two days later I logged them here in Bloomington. New station at both sites.

Es June 7th was spotty; signals were far from the rock solid skip I can recall from the early 60's. They were in and out quite rapidly. The 8th was more solid, but still somewhat spotty. The 10th was a real short opening - in and out in one hour. Had a little the evening of the 13th, no ID's on FM, but TV was active.

Had spanish on 94.1 with what sounded like "est is EC??" All I can decipher from the tape. A wierd one.

The first tuner I had ripped off was operation ID marked and I have every reason to believe it was taken by a "friend" of my daughter. The Sony was the only item taken from inside the cabin, so they knew what they wanted. They caught the bums that did the second break in - I have a faint glimmer of hope they may recover my second SCA modified Sony, as they (sheriff) think it is in the next county. I now haul my tuner back and forth from home. It's a lot of bother, though. My family has had a cabin on the lake since 1920, and never any problems until the last few years. With mining down, things are very tough on the Iron Range.

As you may or may not know, I get to the cabin quite often in the winter. Takes a while to warm it up, but it is a nice retreat as I have no phone there. I have a long trail to break from the road - about a block. I had been leaving my tuner(s) as I like to DX whenever I'm there. Can get some nice aurora in the winter. Guess I'll have to tote the tuner through the snows next year. They left my TV set - it was a long haul to carry it and it is a two man job. I have a gate at the end of the driveway which prevents driving in the block long driveway.

June 18 and 19 at cabin produced no FM Es. Some aurora about 5 PM on the 19th gave some good Ch. 2-4 Es - typical of aurora induced. Signals ranged from like local quality to nothing. Very sporadic type of Es. Cold up in northern MN. Got down to 42° one night and for June it's cold.

One comment - KMSU in Mankato changed frequency from 90.5 to 89.7. It is underlined and is considered new, as I consider a new frequency to be a new logging. I have a local in Minneapolis on 89.7 (KMOJ) and it usually wipes out Mankato. By the way, a call letter change means nothing to me - just a pain in the butt to try to

		change means nothing to m	le - j	ust a	pain :	ın '	the butt to try to
	keep track of.						
	5/24 Es (from Bloomi	.ngton, MN)	6/10				
	5/24 Es (from Bloomi 1758 WMEZ 94.1 FL P 1800 WTSU 89.9 AL T 1820 WMTM 93.9 GA M	ensacola	1800	WKGC	90.7 1	TL :	Panama City
	1800 WTSU 89.9 AL T	?roy	1824	WBLX	92.9 1	AL I	Mobile, r, RKO nx
	1820 WMTM 93.9 GA M	Moultrei, SCA	1827	WKSJ	94.9	AL I	Mobile, "KSJ"
	6/7 Es	Moultrei, SCA	1829	WHIL	91.3	AL I	Mobile
	1658 WFOS 90.5 VA C	hesapeake	1830	WLPR	96.1	AL I	Mobile, MOR, mx SCA
	1700 WKZZ 100.1 VA L		1842				Chickisaw, "Joy FM-98"
		suffolk-Norfolk, SCA, m					Pensacola
	1701 WLTY 95.7 VA N	orfolk. "Y-96"	6/15	Es			
	1711 WAKG 103.3 VA D	Danville			94.1 1	EL :	Pensacola, music SCA
	1730 WBXB 100.1 NC E						Palestine, good ID,
		Sanford, "Voice of Cent.	,-		(Not r	no v	ed to 96.7 vet)
	Carolina Technical C	College." then ID	1700	KTYL	93.1	י ציו	ed to 96.7 yet) Tyler
	1750 WCSE 92.3 NC A	sheboro	1714	KIXY	94.7	rx .	San Angelo, r
		Sexington, g mono	1721	WTVY	95.5	AT.	Dothan
	1806 WROK 98.7 NC G	reensboro. r	1724	WKES 1	05.7	AL.	Trov
	1811 WRNS 95.1 NC K	reensboro, r (ingston, talk SCA	1726	MKAD	98.1	AT.	Andalusia
	1818 WCHY 94-1 GA S	Savannah, k, "Y-94"	1730	WKGC	90.7	TL.	Panama City
	1824 WSBI 100.7 GA B	Brunswick.					Tallahassee
				WKSJ			
Δ	1828 WYNF 94.9 FL T						Ripley, k
•							Pensacola.
		aytona Beach, r, "Q-102"					ck of the South"
	1841 WCKS 101.1 FT. C	Cocoa Beach, r, "CK-101"	1742	WHOD 1	04.9	AT.	Jackson, k. good ID
	1842 WOTK 99-1 FT. J	Jacksonville, Music SCA	1747	WGCM 1	02.3 1	AS .	Gulfnort, k
	1900 WPIO 89.1 FL T	itusville.	1800	KHOS?	96.1	??	E. TX or W. LA, wx,
	ID in middle of eq						weak signal
	6/8 Rs	Inna 118.00 brogram	6/16			•	Tour Digner
		Manchester, MOR, mx SCA	2028		93.3 1	MIZ	Albuquerque, k
	1733 WEVO 89-1 NH C	Concord, pledge drive ID	2030	KHAT	90.5	47	Tuscon
	1736 WOKO 97.5 NH D	Oover-Portsmouth, wx/ID	2030				Non-stop auto k, (pop)
	1740 WHEB 100.3 NH P	Portsmouth, TD	2100				Las Cruces
	1742 WCNL 101.7 NH N	lewport. r	6/17		,	••••	
	1746 WCRB 102.5 MA W	Waltham-Boston, mx SCA			92.9	4 %	Flagstaff, k, ex-KFLG
	1755 WJBO 97.9 ME P	ortland, r, "98-JBQ"	1807	KKKK	94.1	30	Montrose, local ads
	TOOD WALKA GOAG ME H	irungwick, k. M on SCA	1812	KCTB	03.0	47.	Flagstaff
	1810 WSCL 92.1 ME A	lugusta, k.	1818	KWDE	96.1	70	Montrose, kr. ID
	"Whistle" & "%-9	2"also used	1920	KWID	91.5	rΥ	Plainview. ID. phone #
	1815 WEZF 92.9 VT B	lugusta, k, 92" also used Burlington, MOR, mx SCA	1935	KTYI.	93.1	יאי	Tyler
	1816 WHOM 94.9 NH M	it. Washinton, Muzak SCA	1954	KORA	98.3	rχ	Bryan, k good ID
	1830 CJAB 96.7 PG C	Chicoutime, ID in French	2000	KGNZ	88.1	rχ	Abilene
	1872 2005		_000				···

(ex-90.5 with power increase)

1805 KMSU 89.7 MN Mankato,

73's until next time, John

1832 C??? 96.5 PQ ?, Prob. CBV-5 St. Fabien6/22 tr

1756 WBAM 98.9 AL Montgomery, mx SCA

Bob Zent - 1835 Fruit St. - Huntington, IN 46750

6/1 tr	16 /D - To-
	16/7 Es 1808 WWUS 93.5 FL Big Pine Key, r, 1175
	12020 112111 7007 7 7 7
	"The Keys' best music; FM-92.5, WFYN"
6/2 tr	6/12 tr
	0957 WDBR 103.7 IL Springfield, r, 235
"It's clear and 64 at Chattanooga's KZ-106"	ID over WFIU
0023 WZYP 104.3 AL Athens-Huntsville, 440	6/13 tr
r, station promo	0120 WCBN 88.3 MI Ann Arbor, 10w, 115
0029 <u>WQEZ</u> 96.5 AL Birmingham, m, ID 520	(Local events in Ann Arbor area)
0032 WAPI 94.5 AL Birmingham, 1cl. wx 520	
0034 WDJC 93.7 AL Birmingham, g 520	2129 WNMF 88.5 FL Tampa, r, ID 930
0040 WENN 107.7 AL Birmingham, s 520	
"WENN \$ FM plays Birmingham's favorites"	m, call letters
0132 WRAS 88.5 GA Atlanta, 1cl. PSA, ID 500	
6/7 tr	call letters
0615 WCSO 91.5 TN Signal Mountain, r,	2136 WWWL 93.9 FL Miami Beach, 1110
"You're listening to WCSO, the voice of	r, "Love 94-FM"
Chattanooga State," Chattanooga 88.1,	6/17 Es
88.9, 89.7 quite strong	1923 KCME 88.1 CO Manitou Springs, 1030
	c, ID
	1938 KSPZ 92.9 CO Colorado Springs, 1020
call letters heard	r, "Z-93," local ad
	1939 KILO 93.9 CO Colorado Springs, 1020
1614 WSOX 94.9 MA West Yarmouth, 770	r, "Kilo-94"
m, local ad	1941 KCCY 97.9 CO Pueblo, local ad 1025
	1944 KNAB 104.1 CO Burlington, 890
"96-TIC FM"	"Currently at KNAB it's 650"
	1945 KBPI 105.9 CO Denver, r, 1030
call letters and local ad	call letters
1629 WGBH 89.7 MA Boston, ID 730	1945 KYGO 98.5 CO Denver, k, 1030
1659 WJMJ 88.9 CT Hartford, m, ID 650	"KYGO Rocky Mountain country wx"
1709 WSDH 91.5 MA Sandwich, r, 765	2020 KQSW 96.5 WY Rock Springs, 1190
"WSDH newstime"	k, weather and call letters
	2029 KKAZ 100.7 WY Cheyenne, 1000
station promo	"KKAZ at 7:30"
1723 WBOS 92.9 MA Brookline-Boston, r, 730	
"Boston's new 92.9-FM"	2051 KNEB 94.1 NE Scottsbluff, 935
1725 WROR 98.5 MA Boston, s, 730	
call letters	2101 KTAK 93.9 WY Riverton, r, ID 1170
	2114 KGBS 96.1 CO Greeley, r, 1000
)
j, (big bands), local wx 1731 WCRB 102.5 MA Waltham-Boston, c, ID730	call letters 2116 KFBQ 97.9 WY Cheyenne, r, 1000
· · · · · · · · · · · · · · · · · · ·	
1746 WHYN 93.1 MA Springfield, 655	
station promo	2153 KUNC 91.5 CO Greeley, cj, ID 1000
	2200 KUWR 91.9 WY Laramie, cj, ID 1040
"Wave-FM," station promo	2202 KGNU 88.5 CO Boulder, c, ID 1035
1754 WFLY 92.3 NY Troy, r, call letters 600	2259 KCWC 88.1 WY Riverton, r, ID 1170
47 new loggings this month, the result of	fantastic openings into two much needed
areas. Lest you think I'm cheating, let me	
tives. For example, where I've designated	
call letters were heard. When a station was	
license must have been mentioned at least or	nce. The only exceptions are station
slogans such as "96-TIC" or "Kilo-94," which	h are obvious and can be identified by
this. However, most slogans are useless and	d I would never count a station if only
a simple "Q-106" or "Z-94" was heard.	
Can anyone help me with a couple of unide	ntifieds? Does anyone know the location
of KSIT 104.5 or KXRC 93.7? These were hear	
Wyoming. Neither is listed in the new FM A	

Wyoming. Neither is listed in the new M Atlas. Any help will be appreciated. 73s. Bob

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Harry J. Hayes - 9 Henry Street - Wilkes-Barre, PA 18702 Equipment: Superadio- FM-4G antenna and CM amp. at 25 feet in Thornhurst, PA *Zenith Trans Oceanic w/whip from Wilkes-Barre, PA 5/7 tr 2318 WMVB 97.3 NJ Millwille, good w/T-40 on the adult side 135 2330 WNNN 101.7 NJ Salem, black religion, fair signal 135 2333 WKHI 99.9 MD Ocean City, fair thru semi-local WQQQ, T-40 210 2345 WSNJ 107.7 NJ Bridgeton, up to localike from its usual 135 fadey quality on bad days. 5/8 tr 0024 WRDR 104.9 NJ Egg Harbor City, EL mx. good thru local WWDL 140 0100 WWOC 94.3 NJ Avalon, fair to poor w/EL mx 150 0130 WGRF 99.3 NJ Pleasantville, auto r, into "The Source" 140 145 0205 WSLT 106.3 NJ Ocean City, excellent, EL mx 210 0838 WKHI 99.9 MD Ocean City, local on antenna and in at good listenable level on little portable w/whip. 0852 WRDR 104.9 NJ Egg Harbor City, localike c/local 140 0900 WRIO 102.3 NJ Cape May, good, "Heavenly Radio" 160 0912 WQHQ 104.7 MD Ocean City, fair, not in good this opening 210 1000 WGMD 92.7 DE Rehoboth Beach, v/good w/big bands. This 180 is a tough channel with WYZZ on 92.9. 5/15*Es 1951 KZZBt 95.1 TX Beaumont, k and "B-95" ID 5/16*Es 1535 WQID 93.7 MS Biloxi, "Q-93," strong 5/31 Es 1240 WAIA 97.3 FL Miami, strong, "WA-1-A" 1240 WPCVt 97.5 FL Winter Haven, strong with nx 6/7 *Es 1649 KSSN 95.7 AR Little Rock 1653 KISR 93.7 AR Fort Smith 1700 KTCS 99.9 AR Fort Smith 1701 KPXI 100.7 TX Mt. Pleasant, Mor mx 1715 KPLX 99.5 TX Dallas, strong, k 1719 KZEW 97.9 TX Dallas, r, thru local WVCD 1721 KMOD 97.5 OK Tulsa. r 1722 KWFC 97.3 MO Springfield 1727 KMCK 105.7 AR Siloam Springs, contest, "K-106" IDs 1740 KWEN 95.5 OK Tulsa, no call ID. Does not call self "Queen" now 1748 KCFM 97.1 MO Florissant, long wx forecast 1750 WCRC 95.7 IL Effingham, short skip, roughly 600 miles 1753 KFBDt 97.7 MO Waynesville, call heard 1755 KTEN 93.3 OK Ada, very common one on skip here 1756 KEGLt 97.1 TX Fort Worth, "Eagle Rock," no calls 1800 KLKC 93.5 KS Parsons, woman w/nx, many IDs, loc. ment. 1803 KINK 98.9 OK Oklahoma City, IDs, next to strong WKRZ 1816 unID 93.9 TX Spanish programming, heard previously. (KESS?-RS) 1818 KOMB 103.9 KS Fort Scott, strong, r, many IDs 1835 KLZR 105.9 KS Lawrence, "Lazer Rock" 1835 KRBE 104.1 TX Houston, traffic report, "KRBE Eagle" 1836 KSKG 99.9 KS Salina, "99-KG" 1842 KMEZ 100.3 TX Dallas, EL mx 1850 KJCK 94.5 KS Junction City 1853 KFKF 94.1 ?? ? Many IDs, but I don't know where 1859 KYES 93.7 KS Salina, k 1901 KXLS 99.7 OK Alva-Enid, excellent non-fading signal 1916 KVIL 103.7 TX Dallas, lousy signal 1920 KMGC 102.9 TX Dallas, good signal, r 1922 KTXQ 102.1 TX Fort Worth, good, no CID, "Q-102" 2020 KMBR 99.7 MO Kansas City, r 6/8 *Es 1830 KYCK 97.1 ?? This call and "Kicker." I assume Crookston, MN 1831 KCJB 97.1 ND Minot, fighting w/KYCK 1834 KYTN 94.7 ND Grand Forks, "Y-95" 1850 KXGRt 96.9 MN Grand Rapids, local ads 1901 CHMM 97.5 MB Winnipeg, ex-CJOB, good Mor and nx 6/12 Au 2000 WRJA 88.1 SC Sumter, mult. ID, antenna due North, weak 6/13 Es 2110 KSSN 95.7 AR little Rock 6/15*Es 2004 WKSJ 94.9 AL Mobile, "KSJ 2012 WUOA 95.7 AL Tuscaloosa, old r, IDs 2012 WDJCt 93.7 AL Birmingham, ment. Birmingham

AUGUST 1982

NORTHERN FM DX

If I had sent a report last month as I intended, I would have said that this was the worst season on record. However, the season redeemed itself somewhat this month. The skip season is better on TV (more of it) than 1981. Less of the skip seems to be reaching FM. The quality of the season has not nearly reached pre-1977 levels I would say. The 6/7 skip was all done with the Zenith T-0 and whip deep within the Wyoming Valley as well as that on 6/8. The Zenith has served me well since I started DXing. It is quite a skip set. Numerous catches are made possibly due to the fact that I am in a valley and I have protection from strong semi-locals. KZEW-97.9 is one of these catches. Ten mile distant WVCD-97.9 is weakened to an extent by high mountains to the South, permitting Dallas to override the signal. I wonder what the EL listeners in this area thought when they heard "their station" playing rock? Being the only EL FMer in the area. WVCD has a big audience here.

John A. Callarman - 1122 Maple St. - Mt. Vernon, IL 62864

Nine days on the road and some damage to my rotor control unit from a power surge after a four-hour power outage has hampered DX in June. The antenna, since about June 8, has been frozen to the north. A repairman has the control unit, and believes he can fix it, and hopes there's no damage to the rotor itself. If there was a good Es opening between June 8 and June 20, I don't want to know about it. I was on the road those dates, visiting family in Texas. Here's what's heard --May 25 -- WNON 100.9 Lebanon IN heard weakly in newsblock 1724-1730.

May 26 -- KHFO 98.1 Osceola AR noted 2014-2020 with gospel music, first time heard in multi attempts. Fortunately, there was a full station ID at 2014 for the tape machine. WNJC 90.1 Senatobia MS still on this frequency 2040 giving address for calendar items; KWAM-FM 101.1 Memphis TN now "Magic-101" in through the evening with soul music and lots of nightclub commercials.

June 1 -- WQEZ 96.5 Birmingham very strong 1859, but did not have tape running when switched to 99.5 just as WRKK gave full ID. Their strict non-ID is "K-99," not "R-99." I did hear the call letters 2043, on a tough frequency with only a tiny window through WKDQ. No other Birmingham noted, and only one Knoxville, WIVK-FM 107.7 1910 through 1939. KDEX-FM 102.3 Dexter MO heard for first time 2100, and s/off taped 2158.

June 6 -- Good Chicago opening with WJEZ 104.3 logged for first time with country music 2028-2201 off and on. WCLR 101.9 Skokie-Chicago briefly with Sinatra music (rarely heard anymore, durnit) around 2040. WVCY 107.7, Milwaukee, segueing soft gospel tunes and identifying as Christian Family Radio became first and only WI in log. (Attempt to squeeze ID out of classical music on 96.5 failed). WLUP 97.9 with call letters as "The Loop-98" ID at 2210. Full ID for WLFQ 103.9 Crawfordsville IN at 2258 confirms suspicion of a previous session on beautiful music station here.

June 7 -- Despite antenna problems, a little Es noted. (Es I assume, though a Terre Haute station's newscast talked about auroral conditions existing in the sky as far south as Terre Haute and the band sounded "whooshy" on some signals). WFAU-FM 101.3 Augusta ME noted 1854-1905 with music like "Honeycomb" and CBS News. Station on 106.9 ID'ing as what sounded like "Kicks-106" and which I first took to be Birmingham noted -- I'll get back to this one. Tape on 107.5 badly squeezed rocker with spot for rock concert in Portland and station promo searching for Maine's Best Video Game Player merited a taped report to WBLM Lewiston. The one on 106.9 gave a promo for a Tee-Shirt giveaway including phone number 315-253-7355. It was while I was checking SRDS for WKXX address that I learned something was amiss with the area code. It was Central New York instead, and checked to WPCX Auburn NY. I sent them the tape and received a verification, with a clarification of the non-ID; it's "Picks-106." Distance is only about 620 miles, which seems short for Es, long for Au. and only up briefly with nothing else from the area in so I discount tropo. I'll learn. I hope. I can still start the antenna, but can only stop it haphazardly. It wound up south tonight for good tape of WJHR 103.1 Jackson TN with rock and "J-103" non-ID, but call letters at 2023. The only thing new this night.

June 21 -- Returned from Texas around 1700 this date, but did not get the radio turned on until 1903. News in French on 100.9 was followed by full CBJ-FM Radio Canada, Chicoutimi ID and symphonic music, quickly lost to WKXK. Another French speaker was noted on 98.1, but could not dig out an ID. No other evidence of Es the rest of the evening.

June 24 -- Full ID for WPCD 88.7, not heard for three years, at 1720 and on. Very weak signal from WEFT 90.1 Champaign, with loose format, listener access show at 2033. but almost nothing heard through WMBI and WVIK. (WMBI I can get when no other Chicago station is available). Progression of black preachers on 92.3 occasionally noted through WIL 2117 to 2300, but I still can't tape a WYCA Hammond IN ID.

- Continued -

John Callarman cont'd: NORTHERN FM DX

June 27 -- Heart skipped a beat for a moment or two on 89.1 with WVJC apparently off the air and program of Mexican ranchera music in beginning at 1806. Lack of commercial content from announcements in Spanish and fringe faint quality of the reception dampened my enthusiasm. Ranchera continued faintly through 1900. followed by 15 minute commentary in Spanish by man and woman, but turned about to be NPR feature, aired by WGLT Normal IL -- which still is a new station for me. As good as Quad-Cities reception has been this past week, I wish I could shift my entenna about 30 degrees west for some needed stations in that area! 73 John

Ronald Purdue - Route #1, Box 224 - Byron, MN 55920

Rouipment: Realistic Modulaire-8 and Archer "Stereo Supreme" FM Antenna; Coax Lead-in

5/25 tr		16	5/7	Es				
5/25 tr 1828 WAPL 105.7 WI	Appleton, ads, r,	209]	1712	WNBR	100.7	NJ	Wildwood, ID, MoF	96 8
	"Apple-106"	16	5/13	tr				
1834 <u>WIXX</u> 101.1 WI		222	0824	WISQ	100.1	WI	West Salem MoR	75
1838 WSPT 97.9 WI		151 6	5/15	Es				
1850 <u>WWRW</u> 103.3 WI		137 1					Mobile, ad, k	948
	r, "W-103"			WBLX			Mobile, s	948
1854 WRLO 105.3 WI				WPAP				1027
1900 WRVM 102.7 WI				KAFM			Dallas, r, ad, II	
1905 WCOW 97.1 WI				WOST			Forest, ads	820
1910 VISQ 100.1 WI							West Point, nx/ad	
	NEW, On the air!			WQID			Biloxi, r, ABC nx	
	Madison, r, "Z-104"	168 1					Mobile, nx	948
6/6 Es				WQUE	93.3	LA	New Orleans, ads	978
1636 KELT 94.5 TX	Harlingen, k,	1280						0
1.Cl.b. 1997.	ads, wx			KGGO	94.9	IA	Des Moines, ads	178
	Victoria, r, ID, ad							00-
1656 KITY 92.9 TX		1065 2	2011	KOID	93.1	LA	Alexandria,	8 89
	Midland, k, ad, ID	978		_			r, "93-QID"	
1716 KOYE 94.9 TX	Laredo, r, ID	1215	2/26	tr				
1719 KSET 94.7 TX		1125			92.5	WI	West Bend, EL	225
(Supposed to be		000	5/26	<u>E8</u>	ol	٠.		
1732 KBIL 92.9 TX		962 1	1105	MCHA	94.1			1027
1812 XHAAA 93.1 TAN	San Antonio, ad, r	1065	770	UCCY	05.3		k, ads, "Y-94"	2000
6/7 Es	т кеупова, за тк	1290 1	172	WSSA	95.1	SU		1027
	Fort Pierce, wx, ID	1228 1	1221	MEAG	07 1		ads, "95-SX"	1027
1708 Unit 100 3 W	Orlando, r, ID						savannan, s, ads	1027
	month for FM-DX rece							-4
	were playing rock in							
	in the June VUD that							
	90.7, but no mention							t is
	IN Public Radio. WIS							
	erie! They came on l							
	. Yesterday, the 26							
	more steady. I am							
	so let's have an FM							
,		+ + +			,		, , and door	. ~
			T T	т .				

William R. Hepburn - c/o TCTI - 1950 Montreal Rd. - Cornwall. ON K6H 6L2 Equipment: Sears portable multi-band on 4th floor w/whip

<u> 5/5</u>	tr			Ithaca		5/13	tr				
2043	MEIA	103.7	NY	Ithaca	200	2301	WKCU	97.	3 NY	Ithaca	200
<u>5/6</u>	tr			Gouverneur		2317	WRLX	106.	9 NY	Auburn, o/CKO-1	170
2204	WIGS	95.3	ŊY	Gouverneur	58	5/15	tr				
4242	MPTAL	1102-7	NY	ithaca	200	0122	WEIVE	103.	7 NY	Ithaca	200
5/11	tr					5/17	tr	_			
0629	WEZO	101.3	NY	Rochester	195	0540	WCMF	96.	5 NY	Rochester	19 5
+160	#PLL	90.0	PA	Montrose	225	0613	CIGL	97.	1 ON	Belleville	150
1928	WGBI	101.3	PA	Scranton	255	5/19	tr				
21.26	WMRY	105.7	NY	Endicott	205	0718	CIMO	:106.	l PQ	Magog	
2143	MEIA	103.7	NY	Ithaca	200	5/24	tr	-	_		
5/13	<u>tr</u>			Montrose		2220	WMRV!	:105.	7 NY	Endicott	205
0718	WPEL,	96.5	PA	Montrose	225	5/27	tr -	_			
2202	MTRO	98.7	NY	ütica	135	0001	CJBC	106.	3 ON	Peterboro,	190
2208	WOUR	96.9	ΝY	Utica	135		(CJBC		FF		
		Total	in	Cornwall at 88		•	73s 3	til n	ext 1	time, Bill	
											-4

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David J. Nieman - 12284 Nice Rd. - Akron, NY 14001

5/12	GW						16/18	Fe				
2330	W288A	L	(WH	UG)			0,00	KIIMD	• Q1.Q	WV	Laramie, c	1375
		105.5	NY	Brocton, k		62	6/20	Es	,,	==	Daramie, 6	12/2
5/29) tr							KIXS	93.3	ΨY	Killeen, o/WWSE	1375
0030	WVTF*	89.1	. VA	Roanoke, j,	ex-WV	WR 405				ŦΧ	Waco, m	1285
97.7	<u> </u>						2049	KUT	90.7	ΤX	Austin.	1355
0935	ZBM	89.1	. BM	Hamilton, r		1000			,		c, fund raise	1000
2000	KKED*	90.3	TX	Corpus Chri	sti, c		2100	KASE	100.7	ΨX	Austin.	1355
2004	KPFT.	90.1	TX	Houston,		1275					"kase" o/CHIN	+377
				SS fund rai	80		2101	KVAR	104.5	ТX	San Antonio.	1430
	WBRH	90.3	LA	Baton Rouge	, gr	1090	1				SS o/CHUM	1470
	KRVS	88.1	LA	Lafayette,	C	1130	6/22	tr			22 0,011011	
<u>6/8</u>							1349	WESS*	90.3	PA	East Stroudsburg	225
	WUWF	88.1	FL	Pensacola,	С	995	6/26	Es	,			
	WPCS	89.3	FL	Pensacola.	g				90.3	LA	Baton Rouge, g	1090
1312	KTSU*	90.9	TX	Houston, s		1275	1124	WGUF*	96.7	MS	Gulfport, r	1035
1351	KAPM	92.5	TX	Dallas, r		1200	1128	WOXY .	100.7	LA	Baton Rouge, m	1090
1400	KJON.	92.1	AR	Booneville,		970	1131	WBYU+	95.7	LA	New Orleans,	1090
-11				k, "K-JON-92	2"		_		,,,,,		m. o/WEBF	10,0
1414	KKEG.	92.1	AR	Fayetteville	9, r	935	1142	WOKK *	97.1	MS	Meridian, k	920
1450	KWLS*	93.1	KS	Pratt, k		1100	1203	KTDY*	99.9	LA	Lafavette, n/CKD	11130
	KDCK	95.5	KS	Dodge City,	r	1150	1204	WYNK*	101.5	LA	Baton Rouge, k	1090
1505	KXCV*	90.5	MO	Maryville,	3	850]	1212	KBIU*	103.7	LA	Lake Charles, r	1185
	KLJC	00.5	MO	Kansas City,	g	870	1215	WZZK*	104.7	AL	Birmingham, k	785
1823	unID	90.5	ND	Bismarck, c		1100	1216	WAIL*	105.3	T.A	Slidell g	1070
		71.7	77	? FF, CBC		7777	1219	WOSB*	105.1	AL	Albertville, k	730
1070	CITI	97.1	MN	Crookston, k		9251	1227	KXKZ"	107.5	LA	Ruston, k	1045
1040	CITI	92.1		Winnipeg,		1000	1244	KCOZ*	100.1	LA	Shreveport, m	1100
1858	VAVDA	03 0		pr, "City-FM	lu.		1252	KTXQ*	102.1	ТX	Fort Worth,	1215
10,0	TAKE.	91.7	MN	Grand Rapids	١,	760					r. o/CFNY	-
6/12	Au-Es			fund raise			1256	WHOD *	104.9	AL.	Jackson, k	950
3000	+0 010	W N-	77.		_	. 1	1259	KOAX*	105.3	TΧ	Dallas, m	1200
2100	+0 231	S MITE	TD.	s, just lots	or no							1140
6/13	Au) HUE	CH	-6 & briefly	to PM	90.9.	1954 .	KIMQ".	101.9	NE :	Lincoln, pr	940
1745	<u>유</u>	O No	TD:	s; lots of n		[·	1435	KTRS	95.5	WY (Casper, r	1380
-, .,	(*T	200	+0-	e; New under	orse 8	gain.	6/26					
	, 1	- OH	uap	e, new under	TTIEG)	1:	1427	WCXI	92.3 1	MI	Detroit, k, ex-WT	WR
						+ + +	+ +	+				

Alan L. Michalek - 227 Redlands St. - Springfield, MA 01104 Equipment: Panasonic RF-2900 with whip antenna

				Edarbment: Lausson	aı c	RF-290	O Wit	h whip	an	tenna
5/7	tr					6/2	Fe			
2250	WOHO	104.7	MD	Ocean City-Salisbury		1634	E TOWN	08.0	*^	Kennett, k
2255	WSLT	106.3	NJ	Ocean City	,	1635	MIMO	70.9	MU	Kennett, k
2320	WSNJ	107.7	N.I	Bridgeton		10))	unin	90.5	77	? "Q-98," Joe
2350	WDAS	105-3	PΔ	Philadelphia		1660	T.D.	rurce	TT	for Governor ad
2400	WNCN	104.3	NV	New York, c		1040	diff	90.5	77	? "Z-99," Mention
5/8	+ 12		-112	New Polk, C		2660		Natch	82	-Trace
7/2 0	THE CD	Oh 1	ъ.	DI-22 - 1 - 2 - 2 - 2 - 2		1047	MKOT	97.3	ΙĻ	Carmi, k
0020	HEATT	74.7	PA	Philadelphia		1654	KKYK	103.7	AR	Little Rock
07.00	MMMM	101.7	NJ	Canton, g		てくらて	WRVR	:104.5	TN	Memphis Changets ad
0100	MKAH	105.5	NX	Patterson		T020	ANUL	105.7	AR	Silosa Springe
0101	WAPP	103.5	NY	Lake Success, ex-WTF	M	T020	MAHT	105.3	IN	Evansville
0725	WAFL	97-7	DΕ	Milford		1701	KMJX	105.1	AR	Conway-Little Rock,
0802	WSNI	104.5	PA	Philadelphia,						r, "Magic-105"
				"Sunny-104"		1703	KWK	106.5	77.	Granite City-St. Louis
0815	WQXR	96.3	NY	New York, c		1705	КМЛМ	107.7	wn.	St. Louis, "Magic-108"
5/15	Es WWWL			•		1723	WTT7	104.7	TN	Jasper
1915	WWWIL	93.9	FL	Miami Beach,		1725	WCTT	101 5	11. TT	Carbondale
				"Love 94-FM"		1730	VEVE	104.5	111	Springfield,
6/7	Es			2010). 11.		1750	a E LTD	104.5	тL	Springfield,
<u>6/7</u> 1604	WNJC	90.1	MS	Senatobia, r		3033	LILDED	305		k, "Country-105"
1609	WKBJ			Milan, k,		エインと	TO THE	105.5	IN	West Terre Haute, g
1009	HILLDO	72.7	TH			1/40	MDRK	103.7	IL	Springfield, r
1620	LIT WC	Ol. 3	mai	"FM-92," Cards BB		エノサフ	VO EFF	105.7	MO	Lebanon
1622	MTAD	74.2		Germantown, k		1720	WLEX	100.1 1	TT.	Lincoln
1623	WINDA	42°T	ΑL	Huntsville		1805	<u>KTUI</u>	100.9 1	10	Sullivan, "KT-101"

6/7 Es MUZ 101.1 MO Carrollton, k, "Mizzou-101," ex-KAOL	6/15 Es 1910 WPEH 92.1 GA Louisville, r, Braves BB
1820 WHPO 100.9 IL Hoopeston, k	1932 WMEZ 94.1 FL Pensacola, m
1831 KESM 105.5 MO El Dorado Springs	1945 WLWI 92.3 AL Montgomery, k, "I-92"
1840 KMBR 99.7 MO Kansas City	2007 WOKK 97.1 MS Meridian, k, ex-WALT
1851 WQCY 99.5 IL Quincy	6/22 Es
1852 KHEJ 96.9 KS Pittsburg	1610 WVHG 92.1 FL La Belle, k
1903 WIBW 97.3 KS Topeka, "97-FM"	1620 WUCF 89.9 FL Orlando, Or. Twins BB
1907 WLAX 97.7 IL Streator, m	6/26 Es
1907 WLAL 97.7 IN Streaton, m	1140 KLIL 92.1 LA Moreauville
1925 KSTG 97.7 MO Sikeston	1205 WJNS 92.1 MS Yazoo City
1938 WCAZ 92.1 IL Carthage	
	1209 WOOR 97.5 MS Oxford
1955 KFKF 94.1 KS Kansas City, ex-KCKN	1225 KLAZ 98.5 AR Little Rock
2005 WSSR 91.9 IL Springfield	1227 KWEHt 97.1 AR Camden
2012 WLRW 94.5 IL Champaign, k	1229 WHRK 97.1 TN Memphis, "K-97"
2030 KOPN 89.5 MO Columbia	1235 WMC t 99.7 TN Memphis, "FM-100"
(Time is EDT)	1245 KEZQT100.3 AR Jacksonville, "FM-100"
\/	
+ +	+ + + +

Daniel E. Oetting - 2882 Old Cedar Grove Rd. - Broomall, PA 19008

241101 D1 0000115 1000 0000	
a de la calacteria de la c	(/n n
<u>6/1 tr</u>	6/7 Es
2000 WKSB 102.7 PA Williamsport, r	1818 KMAZ 92.9 NE Beatrice, km, ad
2022 WBEN 102.5 NY Buffalo, r,	1820 WIFC 95.5 WI Wausau, r, ID
WRFY off due to TS.	1822 KEZO 92.3 NE Omaha, rp, "Z-92"
6/2 GW&AS	1830 KOAK 95.3 IA Red Oak, ID
1751 WRHY 92.7 PA Starview, m, ID, only	1830 KCKS 95.3 KS Concordia, wx. ID
70 miles away. Was on my "should have"	1833 KNCY 97.7 NE Nebraska City, wx, ID
list. Finally got it; WIFI off.	1839 WYFEt 95.3 IL Winnebago, rp, "Y-95"
	1849 KQKQ 98.5 IA Council Bluffs, ad, s
1759 WINC 92.5 VA Winchester, r, local nx	1854 KELS 92.1 OK Ardmore, r, ID
1801 WMJQ 92.5 NY Rochester, rp,	
reception confirmed by telephone.	1856 KJCK 94.5 KS Junction City,
<u>6/3</u> <u>№</u>	r, ad, "\$-94"
2042 unID 91.3 ?? ? c	1859 KNIN 92.9 TX Wichita Falls, m, ID
6/7 Es	1902 KSMX 92.1 IA Ft. Dodge, r, ID
1143 WINZt 94.9 FL Miami Beach, r, out 1145	1905 KSRD 96.9 NE Seward, k, ID
1522 unID 92.3 ?? ? auto r	1920 KMRJ 96.9 KS Pittsburg, r. ID
1656 KCEZ 94.9 MO Kansas City, m, ID	1922 KLUR 99.9 TX Wichita Falls, k, ad
1658 KFBD 97.7 MO Waynesville, r, ID	1930 KLJCt 88.5 MO Kansas City, g
1659 KATT 100.5 OK Oklahoma City, rp, "Cat"	
	2005 WMAD 92.1 WI Sun Prairie, rp, ID
1700 KMOE 92.1 MO Butler, nx, km, ID	
1701 KBEZ 92.9 OK Tulsa, m, ID	2008 KCPI 95.3 MN Albert Lea, r, ID
1704 KKRD 107.3 KS Wichita, ad	2014 KFMD 92.9 IA Dubuque, r, "D-93," ad
1705 KMOX 103.3 MO St. Louis, rm, ID	2021 WACI 92.1 IL Freeport,
1706 KPRS 103.3 MO Kansas City, s, ad	Brewer's BB, ID
1709 KJMO 100.1 MO Jefferson City,	2050 MUF off FM
r, ad, "J-100"	6/8 Es
1709 KCFO 98.5 OK Tulsa, g, ID	1113 KQKIt 95.3 LA Bayou Vista,
1710 KMOD 97.5 OK Tulsa, rp, ID	heard "Bayou"
1715 KCFM 97.1 MO Florissant, m, nx, ID	1340 KBEZ 92.9 OK Tulsa, m, ID
	1347 KWEY 97.3 OK Weatherford, k, ad,
1717 KSKG 99.9 KS Salina, r, ad	
1718 WEAIt100.5 IL Jacksonville, rm	"Big W-Country"
1720 KEYN 103.7 KS Wichita, ad	1350 KMOE 92.1 MO Butler, km, ID
1723 KLZR 105.9 KS Lawrence, rp, ID	1355 KCEZ 94.9 MO Kansas City, m, ID
1726 KDVV 100.3 KS Topeka, rs,	1400 KOEZ 92.3 KS Newton, m, ID
nx, ad, "V-100"	1405 KMAZ 92.9 NE Beatrice, km ad
1732 WIBW 97.3 KS Topeka, r, ad, "FM-97"	1406 KTTN 92.1 MO Trenton, wx, ID
1740 WHNN 96.1 MI Bay City, r, ID, My	1848 CITI 92.1 MB Winnipeg,
shortest Es on FM. Only 490 miles away!	rp, "92 City-FM"
1743 WKKM 92.1 MI Harrison, local PSA	1849 CHIQt 94.3 MB Winnipeg, rp
1743 WCAZ 92.1 IL Carthage, k. ID	1849 CHMMt 97.5 MB Winnipeg, km
1743 WCAZ 92.1 IL Carthage, k, ID	
1750 VKJF 92.9 MI Cadillac, mr, ID	1849 CBW ± 98.3 MB Winnipeg, c
1753 KWEN 95.5 OK Tulsa, k, ad, "K-95"	6/10 Es
1755 KNUEt101.5 TX Tyler, m,	1610 CENM 90.3 NF Marystown, mr,
"FM-101," "TSN nx"	St. Anthony fishing report
1756 KAYO 97.7 MO Warsaw, m. "Ozark-98"	1818 KATT 100.5 OK Oklahoma City, pr,
1810 KOEZ 92.3 KS Newton, m, ID	very little Es on TV
• • •	

visit Ralph. Until then, best of DX!

1831 MUF off FM ionally in the FM band. Still noted Es on 6/11 tr FM at 0025 - 6/14. Never heard such late 2240 Excellent Delmarva - SE VA tropo FM Es. 91.3, 92.9 & 89.9 - suspect 2254 WSFL 106.5 NC Bridgeton, in good 360 Mobile, AL and New Orleans, LA. 2255 WMYK 93.7 NC Elizabeth City, rp 6/15 Es (95.3 is MUF) 1944 WCAZ 92.1 IL Carthage, ad 0540 WAZZ 101.9 NC New Bern, k, ID 365 1950 MUF off FM 2100 WOBR 95.3 NC Wanchese, m 6/16 tr 2130 WBCI 96.5 VA Williamsburg, o/local 1830 W249AA (WKDN ID) 2135 WYVA 94.1 VA Yorktown, k 97.7 PA Lebanon 2310 WKWI 101.7 VA Kilmarnock, s/off 6/13 Es 2108 KMYO 92.1 OK Broken Arrow, ID, "Camed" 6/24 tr 2134-2142 unIDs on 89.9 & 90.7 MUF jumping up and down all night, occas- 0545 CJRT 91.1 ON Toronto, c, ID New record - 27 new FM stations were received in a 3½ hr. period - 6/7 - 1655-2025. Plenty of good Es in the first half of June, but nothing in the second half. Not a whole lot of tropo in June. Hope conditions pick up in July. Broomall total: 476. 73's Dan

Dan Oetting cont'd:

Patrick Durkin, Jr. - 1940 Oakdale Ave. #305 - West St. Paul, MN 55118 Equipment: Pioneer SX-850 with dipole antenna or GE Superadio 7-28808 w/whip, both antennas at 35 ft. (West St. Paul). SX-850 with Winegard CH-6065 at 30 ft. in West Allis; Superadio in Freehold. NJ.

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write, puber	auto	THE	reeno	ra, Ma.		
4/14 tr (from West St. Paul)		16/12	Fe			
0020 KNNS 96.9 MN Grand Rapids,	175	6/17 1908	770B	Ol 1 N	W Www. 2 - 044	
ex-KXGR, ex-96.7, \$	11)	1,500	NZ/OR	24.01 M	M Humble City,	995
4/24 tr		1075	Tr There		r\$, "Z-94"	
	270		KEMM		X Commerce, m\$	820
0040 WAPL 105.7 WI Appleton, r\$ 4/25 tr	230	1941			X Livingston, k mon	
7/2) tr			WIAW		X College Station, r	\$1005
2248 WHTL 102.3 WI Whitehall, r mono	90	2008			A Jackson, s mono	935
5/3 tr			KBIL	,,	X San Angelo, r\$	1010
0105 KNWS 96.5 SD Sioux Falls, g\$		2043			X San Angelo, m\$	1010
Oll? WZUU 95.7 WI Milwaukee, r\$	280	2045		,	X Slaton, g	915
5/3 ms			KBAT		X Midland, k\$	1010
0136 KGOR 99.9 NE Omaha, r\$	290	2056	WBLX	92.9 A	L Mobile, s\$	1045
"KGOR with Kool and the Gang"		2104	KSSN	95.7 A	R Little Rock, k\$	700
5/19 tr (from Freehold, NJ)		2107	WQUE		A New Orleans, r\$	1040
0059 WSRS 96.1 MA Worcester, m	185	2110	WJNS	92.1 M	S Yazoo Citv. k\$	840
0112 WTIC 96.5 CT Hartford, r	135	2134	KRPT	103.7 0	K Anadarko, k mono	725
0155 WXKS 107.9 MA Medford, r	220	2136	KEAN	105.1 %	X Abilene, k\$	930
0202 WQGN 105.5 CT Groton, r	135	2141	KASE	100.7 T	X Austin, k\$	1040
0207 WDRC 102.9 CT Hartford, r	135	2145	KWJS	94.9 1	K Arlington, g\$	860
0214 WROR 98.5 MA Boston, r		2156			K Dallas, r#	860
0216 WRCH 100.5 CT New Britain, r		2207			A Winnfield, \$	895
0253 WCWP 88.1 NY Brookville, r, 100w		6/20) L	a armirera,	رون
0305 WJMJ 88.9 CT Hartford, g		2000	KRVS	88-1 т.	A Lafayette, c\$	1015
6/10 Es (from West St. Paul)		2010			A Moreauville, r\$	960
	1045			from Was	t Allis, WI)	900
	1045	1048	VOTA		L Punta Gorda, m\$	1180
6/15 Es	20.5			104 7 2	L Tampa, r\$	1170
	1060	1057	WOVE	00 5 F	L St. Petersburg.	1090
	1010		-4111	770) E.		1100
		1100	WD.TA	88 7 6	k\$	
		1115		06.1.50	Sumter, c\$	755
		6/26		20.1 F	Jacksonville, m\$	945
		1823		07 3 4		
	1045	1025	ATM	92.1 H	I Iron Mountain, k\$	195
		1838	LINITE	M TON)	as in FM Atlas)	
			MDUX	92.7 W.	Waupaca, r\$	100
	1045			(T:	ime is CST/CDT)	
1817 KOXY 94.1 TX Beaumont, m\$	T052	(Tota	us: Y	est St.	Paul-179; W. Allis	-425)
well, it's been a long time since i've	repo	rtea	to tr	118 colu	un. but there's bee	n
little to report up until this month,	wnen	DX li	tera]	Ly explo	oded from the dial.	June
was the month in which I received my f	ırst	E-ski	p in	Minnesot	a. Thanks to John	
Ebeling for the Es tips on 6/10 and 6/	17.					

- Continued -

I spent the majority of May away on a business trip to Freehold, NJ, a town of 10000 in central NJ, about halfway between Philadelphia and New York City. I'm surprised that anyone in NJ can get decent DX, since the dial is so full of local and semi-local stations! The DX I have listed for Freehold occurred on a night when coastal trwas in full force. On TV that night, using a simple loop antenna, I received UHF stations from Norfolk, VA to Boston, MA. There was also E-skip while I was there, but it didn't make it to FM.
I also went to visit my parents back in West Allis at the end of June and was able to add seven new stations to my West Allis log, five via Es. I would have probably had more, but I had to leave in the middle of the skip session.
I'm hoping for more E-skip like we had in June, although I probably won't be around Minnesota to see it. I'll be taking another business trip soon, this time spending four weeks in Muncie, IN, beginning in mid-July. It'll be interesting to see what east-central IN DX is like in the middle of the summer, and I'll probably stop by to

Fred McCormack - 135 Prairiewood Drive - Fargo, ND 58103

- /m - 70-	· -						
1/3 Es 1830 WAEV 97.3 GA Savannah, r 1315 183	<u>6 Es</u> 15 XHAAA 93.1 TAM Reynosa 1435						
	30 KFIM 92.3 TX El Paso. r 1165						
5/15 Es 2142 KKED 90.3 TX Corpus Christi, c 1315 6/7	70 Arin 92.5 TA EL PABO, F 1105						
2157 KFMG 107.9 NM Albuquerque, r 960 213	7 tr 36 KQCR 102.9 IA Cedar Rapids, 425						
2203 KYKN 95.3 NM Grants, r, "K-95" 990	r. "Q-103"						
2218 KIQX 101.3 CO Durango, 870 6/1							
r, "Kicks-101"	WAPI 94.5 AL Birmingham. 1060						
2239 KMTS 92.7 CO Glenwood Springs, k 730	"95-Rock"						
	47 WJJM 94.3 TN Lewisburg 945						
	36 WZGC 92.9 GA Atlanta, r, "Z-93"1115						
	17 Es						
	50 KFRA 105.5 LA Franklin 1215						
	19 KBIU 103.7 LA Lake Charles 1165						
	38 KZOM 104.5 TX Orange, r 1170						
	40 KIOC 106.1 TX Orange, r, "K-106"1170						
	52 WNSL 100.3 MS Laurel, "SL-100" 1125						
	05 WPAP 92.5 FL Panama City, AP, k 1295						
	18 KUOL 101.7 AR Mena, r, AM-FM ID 860						
	27 KRMD 101.1 LA Shreveport 1005						
	31 KXKZ 107.5 LA Ruston, k 1015						
	40 WQNZ 95.1 MS Natchez, k 1095						
	46 KWEZ 104.1 LA Monroe, "EZ-104" 1025						
	10 WTXI 102.3 MS Ripley, k 930						
	28 WLWI 92.3 AL Montgomery, 1145						
6/6 Es	k, "I-92"						
1639 KITY 92.9 TX San Antonio, r 1210 224	44 KAFM 92.5 TX Dallas 975						
	50 WKBJ 92.3 TN Milan 865						
	26 Es						
	06 WJIZ 96.3 GA Albany 1250						
R. Ensueno 121	16 WCUP 100.3 GA Tifton. 1275						
1800 KNBT 92.1 TX New Braunfels, k 1190	"cup radio"						
The above are all of my new FM loggings so far	r this year. They are representative						
of the openings which I have caught. I would rate the Es season as good. I just							
wish I had more time to listen when conditions	s are good.						

Richard Reese - 421 Marion St. - Jersey Shore, PA 17740 Equipment: Panasonic RF-1150 & GE Superadio

									-	•		
<u>6/3</u>	Es	(107.9	is	MUF) New Orleans, Golden Meador			6/7	Es				
2033	WBYU	95•7	LA	New Orleans,	ID 1	1075	1519	WOOF	99.7	AL	Dothan, town ID	840
2035	KZZQ	94.3	LA	Golden Meador	r, "Z-94	†11	1520	WCGQ	107.3	GA	Columbus,	750
2036	MCKA	92.3	LA	Laplace, ID			-				prev. ms, "The Q"	
2037	WRPM	107.9	MS	Poplarville,	ID		1522	WKMX	106.7		Enterprise, ad	
		(D)		TR- 423 . b	~~~\		1524	WLHQ	96.9	AL	Enterprise, ID	
9/7_	Es	(108+	is	Muf)			1525	WGEA	93.5	AL	Geneva, ID	
1517	MIAX	95.5	AL	MUF) Dothan, ad		840	1526	WYLE	94.3	ΑL	Abbeville, ID	

MODTHERN IN DX

								-		
6/7	Es					6/7	Es			
1528	WKYD	98.1	AL	Andalusia, ID	_	1830	WZLQ	98.7	MS	Tupelo, "The Q"
1550	WBAM	98.9	AL	Montgomery, ads	800	1831	KFUO	99.1	MO	Clayton, ID
1726	MEQI	92.7	ΑL	Eufaula, nx		1832	WSIU	91.9	IL	Carbondale, local ref.
1724	WVOC	102.9	GA	Columbus, ID	750	1834	KANU	91.5	KS	Lawrence, PSA's
1990	MTMT	92.5	AL	montgomery,	800	1835	KYKR	93.3	'FX	Port Artnur, 1255
1618	KOTD	07.1	T A	local refs.		- 0-6			**	"Kicker"
1625	WOLD	77•I	TAN	Alexandria, "QID"	1100	1030	KSKG	99.9	T A	Salina, ad 1095
1628	WZFZ	92.0	TIM	Nashwille, "SM-95"	630	1037	WALB	90.1	LA	Baton Rouge, 1D 1095
1631	MANK	101.5	T.A	Beton Pouge ID	1005	1040	VŐYT	97•7	TA.	Salina od 1005
1635	KTTZ	96-9	T.A	Alexandria	1097	1041	KIDD	97.6	WA.	Salina, ad 1095 Baton Rouge, ID 1095 Bayou Vista, ad Salina, ad 1095 Diboll, ID Iowa City, local refs. Nachodoches, ad Junction City, ad Beaumont, town ID 1235 Denton, local refs. Texarkana, "K-98" 1080 Kansas City, ID 945 Kansas City, town ID Galveston, local ref.
		,,,,	ъ.	"07_TTZN	1100	18/12	WILK	100.7	TA	Town City local mafe.
1637	KKRD	107.3	KS	Wichita, TD	1100	1844	KICS	103.3	ΨX	Nachodoches ad
1639	KJJB	105.5	T.A	Eunice, ID	1100	1845	KICK	O4.5	KS	Junction City ad
1640	KKYK	103.7	AR	Little Rock.	950	1846	KOXA	04.1	ΨY	Resument, town ID 1235
				local ref.	,,,,	1847	KTYK	106.1	ΨX	Denton, local refs.
1642	KTEN	93.3	OK	Ada, town ID		1847	KTAT.	98.1	ŤΧ	Texarkana, "K-98" 1080
1643	KFXE	92.3	AR	Pine Bluff, ID		1851	KIIDI.	98.1	KS	Kansas City, TD 945
1643	KROK	94.5	LA	Shreveport, ada	1105	1852	KYYS	102.1	MO	Kansas City, town ID
1645	KSMB	94.5	LA	Lafavette. "B-94"	1135	1852	KXKY	106.5	ŦΧ	Galveston, local ref.
1646	KDEL	100.9	AR	Arkadelphia, wx						Kansas City, 945
1648	WMC	99.7	TN	Memphis, ad West Plains, ad	820	1				town ID, "Q-104"
1655	KWPM	93.9	MO	West Plains. ad		1854	KTYL	93.1	ТX	Tyler, ID
1657	KMCK	105.7	AR	Siloam Springs, "K-	-106"	1856	KMAR	95.9	LA	Winnsboro, ID
1700	WQNZ	95.1	MS	Natchez, ID						Osage Beach,
1700	KAJN	102.9	LA	Crowley, ID				,,,,,		"KY-93," town ID
1702	KPXI	100.7	ТX	Mt. Pleasant, town	ID	1901	KJLS	103.3	KS	Hays, nx 1195
						1903	KMRJ	96.9	KS	Pittsburg, ID
1708	KLBO	99.3	AR	El Dorado, "0-99"		1910	KEGL	97.1	TX	Ft. Worth, ID 1235
						1916	KESS	93.9	ΨY	Ft. Worth, SS. "kess"
1713	KSSN	95.7	AR	Little Rock, ID	950	1921	KKDA	104.5	TX	Dallas. 1240
1716	KFHV	107.9	AR	Magnolia, local ref	ß.					town ID. "K-104"
1721	KTFX	103.3	OK	Tulsa, ID	1080	1922	KVIL	103.7	ТX	Dallas, ID 1240
1724	KTXY	106.9	MO	Toffomnon City ad	830					
1725	KTCS	99•9	AR	Ft. Smith, ID Poplar Bluff, ID Batesville, ID Springfield, ID	1020	i				
1728	KJEZ	95•5	MO	Poplar Bluff, ID	780				. T	
1729	KZLE	93.1	AR	Batesville, ID				TEYAS CH	4 PIST	TIAN UNIVERSITY
		,		- F				ILAAS CI	Fo	rt Worth, Texas 76129
1731	KLUP	97.9	OK	Poteau, nx		_				l
1732	WWYN	98.3	ms	Carthage, town ID Tulsa, town ID Clinton, local ref.		1928	KTCU	88.7	TX	Ft. Worth, ID 1235
1735	KCFO	98.5	OK	Tulsa, town ID		1928	KKTX	95.9	TX	Kilgore, ID
1737	KDKD	95•3	MO	Clinton, local ref.	·	1929	KDQN	92.7	AR	De Queen, town ID
1740	KISH	95.7	AR	Fort Smith Springfield, ads Springfield, ad	1020	1930	KSUC	88.3		Keene, wx
1742	KTXR	101.2	MO	Springfield, ads	910	1951	KCKS	95.3		Concordia, ID
1744	KWIC	97.0	MO	Springileia, ad	arol	1932	KWJS	94.9	TX	Arlington, area refs.
1744				Effingham, town ID	- 1	1957	KHOO	99.9	TX	Waco, wx 1310
1751				Joplin, town ID	- 1	1940	KASE	100.7	TX	Austin, "Case-101"1390
1755	KAPM	00.5	MLA.	Rolla, ID	1240	10/12	KLIS	08.7	TX	Palestine, ID
1757	KRET	92.0	U.K.	Tules ID	1080	10/15	VDAO	90.7	TA	Dallas, ID, ex-KNUS
1801	KME2	100 3	Δt.	Dalles of	1340	1046	KTVG	91.07	MV.	Dallas, ID, ex-KNUS Conway, ID Killeen, ad Waco, ID, "K-95" 1310 Houston, ad 1305 Houston, "Love-94"
1802	KMEN	95.5	UK.	Tules, au	1080	1050	VTV0	97•7	TX.	Maca TD NV OFN 1710
1805	KGDT	97.0	OK	Ctillustan ad	1000	2005	VTVV	92.0	TA	Waco, ID, "K-95" 1310
1805	MVGW	02.5	MC	Forest ID		2005	VIVV	97.7	TX	Houston, ad 1305
1807	KAMO	94.J	MD AD	Rogers, local refs.	l	2011	KUM	92.7	TA	Houston, "Love-94"
1807	KOKT	ομ 3	OK	Okmulgee, town ID	·	2015	KPFT V77D	90.1	TA	Houston, nx 1305 Beaumont, ID 1235
1811		99.7	MG	Jackson ID	960	2010	KAMC.	95.1	TA.	Mammoth Springs, ID
	KXXY	96.1	UK	Oklahoma City, ID	1170	2024	AGEN	106.0	M.C.	Manaka TD 000
1813		96.3	ΨY	Ft. Worth, local re	#1/4	2027	KI.ZD	105.0	KG VO	Topeka, ID 990 Lawrence, ID
1814	KCEZ	94.0	MO	Kansas City, ID	OLE!	2027	KMEL	102 0	M∪ VO	Marshall, ID
1814				Shreveport, ID	1105	2028	KREE	107.3	MO	Lexington, ID
				Alexandria, ID		2030				Kansas City, ID 945
1816	VOXV	100.7	T.A	Baton Rouge, ID		2031				Victoria, ID 1425
1817	WKYV	106-7	MS	Vicksburg, ID		2032				Ottawa, local refs.
				Beaumont, ID	1235	2035				Harlingen, 1590
1819				Pratt, town ID				,,,,,		SS, local refs.
				Kansas City, ex-KCK	n l	2044	KILT	100-3	тx	Houston, wx 1305
				Conroe, local ref.						Portland, ID 1480
	_			•						
				-	CONTI	nued	-			

Richard Reese cont'd:

		TH DX		Richard					AUGUST 1982
617	Ea				16/1	6 Re			Atlanta, ad, "Z-93"660 Birmingham, ad 760 Biloxi, "94-QID" 1000
3046	KEXX	93.9	TX	Corpus Christi 149	ol 201	5 VZGC	92.9	G.A	Atlanta ed 42-934660
2048	KROB	99.9	TX	Robstown, ID 149	5 211	+ WOL	96.5	AI	Birmingham, ad 760
6/7	Es (unIDs)		·	211	6 WOY	93.7	MS	Biloxi, "94-0ID" 1000
1720	unID	103.1	. ??	"KRF"	6/1	? Es	(102.9	is	NUF)
1724	עבתט	20.7		Tun-in, Iloyu City	1200	התמא כ	42.9	A A L	Mobile "BLX" 965
1731	KZES	96.1	. ??	?	1 22 7/	1.001753	,	_	
1844	unID	105.5	??	ment. Caney, KS	214	5 KYKI	R 93.3	TX	Port Arthur 1235 Houston, "97-Rock"1305
1914	unID	102.3	KS	? talk of elections	214	7 KSRI	R 96.5	TX	Houston, "97-Rock"1305
<u>6/8</u>	158 10171	(107.7	15	MUF)	204	7-2110	Ft.	Wor	th-Dallas area skip
1122	MULD	91.07	MC	Pilowi ed 100	기 <u>왕</u>	Es	(108.+	15	MUF) HOUSTON, "Love-94" 1305 Houston, "Love-94" 1305 Lafayette, "K-94" 1135 Jennings, ad Beaumont, "B-95" 1235 Diboll, ad Baton Rouge, ID 1095 Pascagoula, nx Alexandria, ad 1100
112/	MEAM	95.7	T.A	New Onleans ID 100	5 102	r vkri	99.7	TX	houston, "Love-94" 1305
1240	KIKK	95.7	PΥ	Houston ed 130	5 104	NOME OF THE PARTY	94.7	L.A.	Lalayette, "K-94" 1135
1245	KLEF	94.5	עידי	Houston, "claf" 130	5 105	KZZI	96.7	UAV.	Personal UP OFH 1275
1250	KILT	100.3	TX	Houston, ad 130	5 105	KTDI	95.5	LEA.	Diboll od
1252	KFMK	97.9	TX	Houston, ID 130	5 1056	WOXY	100 7	T.A	Reton Pouge ID 1005
1255	KMJQ	102.1	TX	Clear Lake City, ad	1053	7 WPMC	99.1	MS	Baton Rouge, ID 1095 Pascagoula, nx Alexandria, ad 1100 Beaumont, ID 1230 New Orleans, ad 1075 Pasadena, ID 1305 Tyler, ID 1305 Tyler, ID Collins, ads Hilton Head Island, ID New Orleans, ad 1075
1258	KYND	92.5	TX	Pasadena, ID	110	KRRV	7 100.3	T.A	Alexandria ad 1100
1300	unID	92.7	ТX	KBSY ID?	110	KWIC	107.7	тx	Beaumont. ID 1230
1300	KASE	100.7	TX	Austin, ID 139	0 111	WEZE	97.1	LA	New Orleans, ad 1075
1312	KTYL	93.1	TX	Tyler, ad	1111	KYNI	92.5	TX	Pasadena, ID
1317	KHOO	99.9	ТX	Waco, town ID 131	0 1114	+ KODA	99.1	ТX	Houston, ID 1305
1318	KNCT	91.3	ТX	Killeen, ID	1111	KNUE	101.5	TX	Tyler, ID
1325	KVIL	103.7	ТX	Dallas, ID 124	0 1118	WKN2	101.7	MS	Collins, ads
1326	KNOK	107.5	TX	Ft. Worth, ID 123	5 112	WHHE	106.3	SC	Hilton Head Island, ID
1550	KISR	93.7	AR	Ft. Smith, "Kisser-93"	1124	₩QUE	93.3	LA	New Orleans, ad 1075
1347	KOKT	94.3	OK	Okmulgee, ad	1126	WQN2	93.5	MS	Natchez, ID
1220	KRAV	70.7	OK	Tuisa, ID 108	0 113	L WJMI	99•7	MS	Jackson, ID 960
1350	KIMD	88 5	MV	Dalla ID	11134	WNSI	100.3	MS	Laurel, ad
1350	KOSTI	91.7	UK	Stillwaton ID	1172	- WKIN	100.7	MS	Hilton Head Island, ID New Orleans, ad 1075 Natchez, ID Jackson, ID 960 Laurel, ad Vicksburg, ID 960 Baton Rouge, ID 1095 Lake Jackson, ID Baton Rouge, ad 1095 Lake Charles ad 1185
1403	KWLS	93.1	KS	Proff. ID	1117	VOOT	102.7	LA.	Baton Rouge, ID 1095
1404	KEYN	103-7	KS	Wichita ID 110	117	NAME OF	10/.5	TA	Dake Jackson, ID
1406	KDCK	95.5	KS	Dodge City, "95_DCK"	1137	WIND THE	1 102 7	TA	Tale Charles at 1095
1411	KHUT	102.9	KS	Hutchinson, ID 113	0 1138	WAFT	081	T.A	Beton Pours ID 1005
1415	KOEZ	92.3	KS	Newton, ID 110	0 1140	KMJC	102.1	ΨY	Clear Lake City ID
1820	KYTN	94.7	ND	Grand Forks, prev. Au	1144	K.JBS	100-1	Τ.Δ	Bestron ade "K.I-100"
1823	KKXL	92.9	ND	Grand Forks, ad 109	5 1149	KYKZ	96.1	LA	Lake Charles, ID 1185
1824	WKKQ	93.9	MN	Hibbing, ad, "Super-Q"	1148	KTDY	99.9	LA	Lafavette, ID 1135
1830	KEYA	88.5	ND	Belcourt, ID	1151	KJJE	105.5	LA	Eunice. town ID
1840	KOWB	98.7	MN	Moorhead, ID 106	0 1152	WCKW	92.3	LA	Laplace, town ID
1845	CHIO	94.3	MB	Winnipeg, "Q-94" 116	0 1156	WXLY	96.3	MS	Jackson, "96-XLY" 960
1040	CBW	98.3	MB	Winnipeg, CBC \$ 116	0 1158	WQMV	98.7	MS	Vicksburg, "Q-98" 960
1040	CHMM	97.5	MB	Winnipeg, wx 116	0 1159	WACE	103.9	MS	Columbus, ID 825
1025	muth	(200.0	MB.	French	1200	KASO	95.3	LA	Minden, ads
꾟왕		00 P	20	Spanish was Gut C	1200	WTYX	94•7	MS	Baton Rouge, ad 1095 Lake Charles, ad 1185 Baton Rouge, ID 1095 Clear Lake City, ID Bastrop, ads, "KJ-100" Lake Charles, ID 1185 Lafayette, ID 1135 Eunice, town ID Laplace, town ID Jackson, "96-XLY" 960 Vicksburg, "Q-98" 960 Columbus, ID 825 Minden, ads Jackson, ID 960 Columbia, ID Shreveport, ID 1105 Bay Springs, ad
1302	MOTM	92.7	भ	Punta Gorde To	1205	KUTD	103.1	LA	Columbia, ID
1313	MOAR	90.5	TT.	St. Petersburg, ID 100	1209	NATA	95.7	LA	Shreveport, ID 1105
1314	WRBO	104-7	PT.	Tampa, ad OR	5 7 2 2 1	I LAN	72.7	nio T	bay Springs, ad
1321	WCKX	99.5	FL	Clearwater, ad	1212	KNUE	70.9	LA TA	Mannas ad 1070
1323	WYNF	94.9	FL	Tampa, "95-YNF" 98	5 1216	KYKY	105.3	TAN.	Tenemies WVV 1050
6/14	Es ((100.1	is	MUF)	1217	KAJN	102.0	T.A	Bay Springs, ad Alexandria, town ID Monroe, ad 1030 Longview, "KX-105" Crowley, local ref.
2126	KAFM	92.5	TX	Dallas, ad 124 New Orleans, ID 107	1220	KXKZ	107.5	LA	Ruston, town ID
2234	MOUE	93.3	LA	New Orleans, ID 107	1222	WBTG	106.3	AL	Sheffield, ID
		,-,		1.01 /	1224	WOLT	107.3	ΑL	Florence, ID, "Q-107"
1926	KZLE	93.1	AR	Batesville, ID	1229	KXCL	107.9	ΤX	Corsicana, town ID
1020	KISR	93.7	AR	Ft. Smith 102) 123 0) WEŻI	105.9	TN	Memphis, ID 820
1938	VKVA			Tulsa, ad 108	1230	KASU	91.9	AR	Jonesboro, local ref.
1943 1945	ATTS	94.7	MO		1231				Dallas, ID 1240
1946				Ocala, town ID 89	1232				Atlanta, ID 660
-770	AUIT	7/.1	ĦΟ	Florissant, talk of		KAFM			Dallas, ID 1240
1947	KMR.T	96.9	rg	local power outage Pittsburg, ID		KLUR			Wichita Falls, ad 1280
1948	KKKX	95.7	KE	Ottawa, "96-X"		KISR			Pt. Smith 1020
	WITM			Moultrie, ad	1241	KKAJ	770/	TY	Ardmore, town ID Wichita Falls, ad 1280
					1-4-7		/-/		A7

FORMATS:

r-rock

AUGUST 1982

6/24 Es 1244 KNID 96.9 OK Enid, ID |6/24 Es | 1309 KATT 100.5 OK Oklahoma City 1170 1245 KTCS 99.9 AR Ft. Smith, town ID 1020 1310 KRAV 96.5 OK Tulsa, ad 1080 1247 KLPQ 94.1 AR Little Rock, town ID 1311 KICT 95.1 KS Wichita. "T-95" 1100 1255 KNED 101.3 OK McAlester, wx 1105 1314 K??? 106.9 OK Clinton?. 1259 WNIN 88.3 IN Evansville, ID, "Foxy-107," ex-KKCC? 600 s/on type info. 1323 KZED 93.5 KS Wellington, ID 1300 WXID 94.7 KY Mayfield, ID, wx 1324 KWIS 93.1 KS Pratt. ID 1300 KEBC 94.7 OK Oklahoma City, ID 1170 6/27 tr 1302 KZLE 93.1 AR Batesville, ID 1020 WDRQ 93.1 MI Detroit, ID 1305 KSHE 94.7 MO Crestwood, wx (New Underlined)

A big report this time, thanks to a couple of big Es sessions. Just hope this type of DX continues through July. 73's, Rich

Ralph Strobel - 2300 E. McGalliard Rd. - Muncie, IN 47303 Equipment: McIntosh MR-78; Channel Master \$ Probe 9 at 60 ft.

6/9 0430 6/13	WNXT	99•3	ОН	Portsmouth, s/on	155		KLNK			Oklahoma City,	780
37.34	WOT W	02.7	TPT.	Don't - 0						e Will Rogers	
2170	W CLUP	92.7	27	Punta Gorda, ez\$				emp. a	nd '	"9 9-klnk")	
		92.7	Fu	Key West, r\$	1140	6/17					
6/15	<u>ms</u>	-0 -					KEXX			Corpus Christi	1170
0242	KKÖA	98.9	CO	Pueblo, prev. Es		2015			WY	Casper, r\$	1130
(04		burst	ga	ve calls in ad)		2024			WY	Riverton, r\$	1250
0304	KTMO	98.9	MO	Kennett, prev. tr	400	2046	KIQZ			Rawlins, k\$	1175
(50	sec.	burst	ga	ve calls in wx)		2128	KGNU			Boulder, nx	1090
6/15	Es						KCWC			Riverton, rp\$	1250
1728	KETR	88.9	TX	Commerce, wx	780	2202	KMOR			Scottsbluff-Gerin	
1729	KSUC	88.3	ТX	Keene, nx		6/20		//			6 7000
1750	KBLJ			La Junta, ad				90.3	ит	Twin Lake,	220
((WBST			Muncie, off air)	,-		+	esting	TD	in \$, WBCL off	LLU
1808	KMRE			Dumas, wx	1000	6/26	Re .	COVERE		IN W, WHOL OIL	
	KIXV		ΨY	Brady, r\$, "FM-95"	1050	1334	EPV.	88 =	MT	Balasumt	- 0F0
1840		94.1	NT.	Monterrey, SS ID	1600	1348	A A A A	00.5	MD	Bercourt, prev. m	
				rst Mexican)						Bismarck, ads	900
1028	VIIWD				1100	1359	VODI	74.7	ND	Bismarck, k\$	900
1,20	WEST	74.9	-1	Laramie, WY nx, wx	1100	5750	<u>ms</u>	-0 -			_
		,		Muncie, back on air	r)	10300	KLNK	98.9	OK	Oklahoma City	780
	KUNC			Greeley, wx	1060	(40	sec.	burst	gav	re wx and full ID)	
TA32	CAUA	99.1	CO	Windsor, ad	1050	0305	WBAM	98.9	ΑL	Montgomery, pre. t	r 575
2000	LHA	93.9	SD	Rapid City, m\$	1000	(10	sec.	burst	gar	re "WBAM 99-FM")	
2024	KGGG	100.3	SD	Rapid City, ads	1000	(All	stati	ions re	B CO 1	ded on tape)	
				ידים שמשמים שה משושי							

OWNER OF PIRATE WELL JAILED; BOND IS \$12,000 CASH

More than two years ago when Dave Brumfield called the DJ at WELI, the young man admitted to Dave that he had built a blue box which enabled him to bypass Bell Telephone equipment to make free long distance calls. A June 30th article in the Muncie Evening Press states that Barry Fetterhof, 19, was arrested last year for disorderly conduct. When searched, his blue box was found and turned over to the FBI. Muncie police didn't know what it was. Fetterhof admitted to me when I called him over two years ago that he had moved here from Kokomo, IN. Everything in the article makes me positive that this is the person who has been operating pirate WELI on 89.0 MRz.

Fetterhof and a 25 year old friend, Ronald Layne, were both arrested at a phone booth making their free long distance calls. Layne's cash bond is set at \$8,000. A cash bond means a person can not post bond and must come up with the full amount in cash. Fetterhof is unemployed. His cash bond is \$12.000.

The 19 year old high school dropout is termed as an electronic "genius" who has been tinkering with electricity and electronics as long as he can remember. Fetterhof says he used the blue box mostly for research.

Needless to say, WELI is now off the air. I noticed the day before the article appeared in the paper that WELI was off. The article makes no mention of pirate WELI, so I suspect Fetterhof is keeping his mouth shut in that regard.

E-skip works in mysterious ways. On June 7th when I was hearing CT RI and MA, Dave Hascall, only 40 miles SW of me in Fortville, IN was getting VT NH and ME. My June 17th skip was mainly to WY with MUF being only 94.5. Yet, Bob Zent of Huntington, IN 40 miles north of me had an MUF of 105.9. Shows how one's location is important. HELP! Never in the history of WTFDA has a DX column come to 19 full pages of DX!

A GOOD ES SEASON SHAPES UP WHILE TROP FALTERS

While not yet distinquished by any all day super openings, this Es season has turned out to be a good one. June had Es on 19 days as reported so far. However, some may feel that number doesn't reflect that the season has been long on quantity and short on quality since many of the openings were brief with low MUF, but overall not a bad season.

Trop activity has wound down considerably since the first 11 days of June when maximum distances logged ranged up to around 800 miles. With so much rainy weather around, it was surprising the trop did not reach out any better, or continue to build.

PREFERRED ABBREVIATIONS:

Es - sporadic E-skip TD - identification Tr-tropospheric bending (call letters) MS - meteor scatter EE - English LS-lightning scatter FF - French AS-aircraft scatter L - Spanish, also SS Au-auroral reception cx - conditions GW-groundwave(local) mx - music S - stereo nx - news s/off-sign off wx - weather

SOUTHERN · FM DX:

CCI-co-channel interference MUF-maximum usable frequency k- country QRM-interference c- classical QSL-verification g- gospel xltr - translator xmtr - transmitter j- jazz m- middle of road t-tentative or talk psa-public service p- album oriented rock(progressive) announcement

Tim McVey, Rt. 3, Box 568, Bolivar, TN 38008 - June 1 to June 22 EDT Back home for the summer and there's been E-skip every day I've been here. FM DX is fantastic even with the Arkansas mess to my west. Tuner is a JVC model JT-V22 with a Finco FM-5 antenna and C. M. rotor.

1515 out on I-40 E. of Jackson, TN, lots of Es commotion on my JIL in-dash 1525 WOKQ 97.5 NH Portsmouth, k 1531 WMGX 93.1 ME Portland, mr, "Magic" 1540 unID 93.7 French talk, mono 1545 WSOX 94.9 MA West Yarmouth, QRM from WHOM 1600 WSYR 94.5 NY Syracuse, ar\$, ID 1800 CFOR 92.5 PQ Montreal, Eme\$, ID 1802 CBV-6 92.9 PQ La Malbaie, tentative ID "Radio Canada" 1805 CKMF 94.3 PQ Montreal, ar\$ 1810 unIDs in French on 88.1, 89.1, 93.3, 93.9. 95.1. 95.3 1815 CHAY 93.1 ON Barrie, em\$

2150 Knoxville(good grief!), Atlanta, and AL in strong 2200 WDEN 105.3 GA Macon, k, ID 2202 WSSL 100.5 SC Laurens-Greenville, k, ID "whistle-100" (state #41) 2208 WPAP 92.5 FL Panama City, k 2215 WREZ 103.3 AL Montgomery, e, ID 2220 WRES 105.7 AL Troy, k, promos

1100 TV channels 2,3,4,6 are wild with Miami and Cuba... 1125 unID! 92.1 this is a weak, mono station coming from SSE(NOT Mexico)in SS with lots of talk. Mentions "Puerto Haiti" but not enough info to use Ondas FM.

2010 until 2030 TV and FM from Winnipeg, MB (1085 mi.) but no ID's or calls heard. All

are new loggings: CITI 92.1 pr, CHIQ 94.3 rm. CHMM 97.5 mk, CBW 98.3 talk. 2017 unID 92.7 rock\$, maybe the new Brandon, MB station.

6/16 Es 1010 KILO 93.9 CO Colorado Springs, ar. "kilo" 1015 KRDO 95.1 CO C. S., e, ID(first station I ever heard by Es) 1020 KSPZ 92.9 CO C. S., r "Z-93" 1022 kBLJ 92.1 CO La Junta, k 1025 KZLO 100.7 CO Pueblo, m 1030 KCME 88.1 CO Manitou Springs, c 1031 KCFR 90.1 CO Denver, c 1845 unID English r\$ from Mexico. "Estereo Armistad" 1900 XHNY 93.5 GTO Irapuato, L ID 1903 XHNH 95.1 GTO Irapuato, "stereo 95" 1906 till 1930 brought in Guadalajara, JAL very strong. Here is a list of what I heard in frequency order. E means music is English: XETIA 97.9 L\$ XHOY 90.7 L XHRC 98.7 Er\$ "\$-99" XHJL 91.5 e\$ "\$ Mundo XHAV 100.3 \$, news XHSC 93.9 m\$ XHDK 94.7 \$ "\$ Reguerdo" XEAD 101.9 m\$ XHRO 95.5 em\$

1920-2030 This is by best opening ever into Mexico. Every Mexico City FM was in except 96.9, 104.1 and 105.7. I shall list these in frequency order to reduce clutter:

> 88.1 XHRFM, eE\$ "Radio VIP" 88.9 XHM Er\$ 89.7 XEBS es 90.5 XEDA,L cont.

1853 KIAJ 92.7 WY Rawlins. k

1155 XET 94.1 NL Monterrey, m\$, ID

1157 XHNL 94.9 NL Monterrey, m\$

6/20 1800 kFLG 92.9 AZ Flagstaff, r

SOUTHERN FM DX

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6/16 Es, cont.
91.3 XHQL, news
                                                 6/20 Es
                                                 1804 kRQQ 93.7 AZ Tucson, ar "KRQ"
92.1 XHFO.L
                                                 1806 kCTB 93.9 AZ Flagstaff, m
1810 KOOL 94.5 AZ Phoenix, mr
92.9 XEQ, r
93.7 XEJF, ms "Radio Hoya"
                                                 1812 kJJJ 92.3 AZ Glendale, k
95.3 XHSH, Em$
                                                 1815 KOYT 95.5 AZ Phoenix, e
96.1 XEUN, c$
                                                 <u>6/22</u> Es
97.7 XERC, Er$ "Radio Hits"
                                                 0852 KSET 94.7 TX El Paso, r
98.5 XELA, c$ "Stereo Classique"
                                                 0853 KPAS 93.9 TX "
99.3 XHFOF, m$ "Musica Felis 99"
                                                 0854 KLAQ 95.5 TX "
100.1 XHPM, r$
100.9 XHSON, Em$
101.7 XEX, L$
                                                      KHEY 96.3 TX "
                                                                            , k
                                                      KINT 97.5 TX "
                                                                            , ar
                                                0857 KTEP 88.5 TX "
                                                                            , с
102.5 XHV,L$
                                                0858 KFIM 92.3 TX "
                                                                            , mr
103.3 XERPM, Er$
                                                0859 KRWG 90.7 NM Las Cruces, "FM-91"
104.9 XHBST, me$ "Globo Estereo"
106.5 XHDFM, m$
                                                    And that wraps it up for this time. Logs
107.3 XEOR, Er$ "Radio Universal"
1930 XH--- 93.1 JAL Gradalajara, m$ ID
 "Radio Armistad" NEW on air
<u>6/17</u> Es
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now stand at 943 with 41 states, 7 Mexican states(JAL, GTO, DF, NL, PUE, SLP, VER), 5 provinces(PQ, CN, NB, AB, MB), and Jamaica. Thanks to all who have helped me with unID's and mistakes, especially Mr. O'Connor who corrected several incorrect New England logs. Often I log a station when non-ID's, ads, and geographic separation locate it. Therefore, calls may be outdated on some. I do not count call changes as a new station, as per club policy. Sorry about not measuring the distances this time. And now, I close with a big 73.

1000 KILG 92.9 AZ Flagstall, r		a big	73.				
1801 kDKB 93.3 AZ Mesa, r							
Jim Pizzi, F. O. Box 1778, Lovington, N	M 8	3260 - 5	5/21	to 6/	18	MDT - 805 396-3432	
Equipt: Antennacraft 10 ele. horz.@50'	and	vert. @	₽25'.	JVC	/T-	700/JVC-VT-900, Akai A	T-V04.
<u> 2/21</u> tr		6/5 tr	:				
0119 KIXS 93.3 TX Killeen, ID	353		MEZ	100.3	ТX	Dallas, ID	368
0128 KOXE 101.5 TX Brownwood	265	Es					
0129 KH00 99.9 TX Waco	368	0851 W	ISGF	95.5	GA	Savannah, ID 95-SGFM	1305
5/27 tr		0856 W	DAX	95.3	GA	McRae, ads	1197
0247 KPLE 104.9 TX Temple	368	0900 <u>W</u>	HHY	101.9	ΑL	Montgomery, ID, ads	990
5/30 tr		. 0907 <u>₩</u>	CEH	103.9	GΑ	Hawkinsville, ads	1166
0936 kVLY 107.9 TX Edinburg, ID	554	tr				_	
KVAR 104.5 TX San Antonio, SS	380	0911 K	YKX	105.7	ТX	Longview, psa, ads, ID	502
kFLZ 107.1 TX Bishop, SS	500						
KMJQ 102.1 TX Clear Lake City	534	0912 W	IGEC	103.9	GA	Springfield, ID	1287
"Magic 102"	1.0 =	calis	3 + "	FM-103	, ",	k	
kNCN 101.3 TX Sinton,"the C" C101	485		OMA	1050			
KISS 99.5 TX San Antonio, r		0914 K	WIZ OOT	105.9	OK	Hobart, ID KQ-106	272
	505	Es Es	1001	100.5	TX	Jacksonville, ads, big	
KUMF 88.7 TX Houston, tent			707.4	100 .	~ .		466
AQXX 98.5 TX McAllen, SS 6/1 Es	555	0000 3	CCC	107.1	GA	Claxton, ads	1256
0909 WUAL 91.5 AL Tuscaloosa	010	0922 1	LATEL	107.3	GA	Columbus, ID "107-Q"	1067
WBHM 90.3 AL Birmingham	918	tr	ALV	97.3	GA	Savannah, ID"Wave-97"	1305
WDIN 90.) AL BITMINGNAM	959		TATE	100.3	OT/	D-+ TD	
6/3 tr		Es	TND	107.3	OK	Poteau, ID	510
0109 kOKF 90.9 OK Edmond. g	380		PP7	102.0		M UD-24 - 400U	4410
6/4 tr	المحر	"777_1/	08 17	D @ 0 93	GA.	Macon, "Radio-108",	1148
2300 EVLY 107.9 TX Edinburg	l	tr	.00 1	روب ا			
2303 KBFM 104.1 TX Edinburg	554		vor .	107 0	mν	Corsicana, ID	
2310 KDUV 100.3 TX Brownsville, ID@2328		0936 KI	T.ITR	00.0	T.V.	Wichita Falls, ID	399
"h-Dove + calls	امرر	Es	2011	77.7	ıv	witchita rails, ID	282
2314 KRIX 99.5 TX Brownsville, ID@2332	İ		หพล:	100 1	C 4	Forsyth, g, ID	1105
"FM-99" + calls		00/75 M	PRH.	02 1	GA CA	Louisville, ID, ads	1125
2335 KQXX 98.5 TX McAllen	555	tr	- 1211	72	G A	Louisville, in, ans	1215
LJJJ NGAA 90:J IN MCAITEN	اردر		ATM	02 5	mv	Dallas, ID	260
6/5 Es	[0047 1	DI.Y	74.J	ΨA	Ft. Worth, ID	368
	1170		4 U/	27.0	11	re, worth, ID	368
	1305		тт.р	96.2	TN	Centerville, ID, k	023
0842 WQIM 95.3 AL Prattville, ads, ID		1120 W	IXBU	96.0	TIA	Bristol, ID	923 1224
	COL		هريد.	,0.9	T74	miletol, in	1664
30							

	6/2 +
6/5 ? 1126 KXRX? 96.7 ? "97-FM" Not KXOX??	6/7 tr 0005 KJEF 92.7 LA Jennings, ID, k 664 0013 KZOM 104.5 TX Orange, calls + 595
6/6 Es 1602 WSTO 96.1 KY Owensboro, ID, r 968	"Zoom 104 1/2"
1002 #810	0014 kJAE 92.7 LA Leesville, ads, k? 605
1000 1000 2010	2348 KAJN 102.9 LA Crowley, ID, g 679
1000 4103	2350 KHOM 104.1 LA Houma, k mx radio net 794
1608 KFIL 103.1 MN Preston, wx 954 1614 WEZK 97.5 TN Knoxville, ID, m 1125	ID @2359
1617 WENS 97.1 IN Shelbyville, ID1627 1058	2354 KIOC 96.1 TX Beaumont, ID 574
1618 WGTC 92.3 IN Bloomington, ID, psa, k	
1619 WDDJ 96.9 KY Paducah, ID 869	6/8 tr
1623 WMAK 92.1 TN Hendersonville, ID 968	0007 kAYD 97.5 TX Beaumont, ID 574
1629 WAIN 93.5 KY Columbia, ID 1049	•
1634 WXID 94.7 KY Mayfield, r,d-94 860	6/15 Es
1638 WUME 95.3 IN Paoli, ID 1013	1719 WHKY 102.9 NC Hickory, \$k?, ads 1260
1639 KSTG 97.7 MO Sikeston, ID 819	1722 WRAL 101.5 NC Raleigh, ads, r 1413
1643 WKOA 100.3 KY Hopkinsville, ID 932	1724 WFNE 100.1 GA Forsyth 1125
1650 WAKQ 101.1 KY Russellville, kQ-101 963	1726 CkO2 99.7 ON Tent.
1652 CHMM 97.5 MB Winnipeg, ads	1729 WQIK 99.1 FL Jacksonville, "QIK" 1300
1659 WLSK 100.9 KY Lebanon, ID 1058	ads, k\$
1700 WDNS 98.3 KY Bowling Green, ID 990	1737 WPAP 92.5 FL Panama, ads 1071
1703 WASL 100.1 TN Dyersburg, nx 824	1738 WBLR 92.5 kY Owensboro, ID 968
1704 KHFO 98.1 AR Osceola, ID 784	1742 CFPL 95.9 ON London, "FM 96 Rock" 1364
1704 WSIX 97.9 TN Nashville, ID 968	1745 WNFQ 94.3 FL Lake City, "94-Q", ads1247
1715 KZLS 97.1 MT Billings, ID 900	1752 WQXM 97.9 FL Clearwater, "98 rock" 1292
1720 unID 96.3 ? "Lebanon Cable TN"	1753 WRMF 97.9 FL Falm Beach, ID 1480
1724 WNBK 93.5 WI New London, wx 1095	11.1 -
1730 WHHI 91.3 WI Highland, University &	6/16 Es
Park St. "Madison, WI." ment. "Philo Buck	0919 WLAR 95.3 OH Norwalk, ads 1260
Studio. 977	0920 WZAK 93.1 OH Cleveland, ads 1310
1730 KLWD 96.5 WY Sheridan, wx,Cloud-96	0924 WJAI 92.9 OH Eaton, ID 1125
1731 WJMT 93.5 WI Merrill, ID 1094	0929 WALR 99.9 OH Toledo, "k100", k 1215
1739 WNDA 95.1 AL Huntsville, ID 968	0931 WEHE 92.5 OH Toledo, ads, calls 1215
1743 WLTA 99.7 GA Atlanta, ID 1098	0934 WAWK 93.3 OH Cincinnati, ID 1125
1745 WQXB 100.1 MS Greneda, "B-100" 789	0936 WNDU 92.9 IN South Bend, "U-93" 1098
1748 WORM 103.5 MS New Albany, FY-103 833	(note on 93.00 on Akai
1750 WDRM 102.1 AL Decatur 945	6/17 50
1758 WJOI? 97.1 MI Detroit, pol. ads 1260	6/17 Is 1708 CBW 97.9 MB Brandon, nx 1157
1759 WSB 98.5 GA Atlanta, ID 1098 1803 WLRH 89.3 AL Huntsville, ID 968	
000	1757 <u>dAql</u> 97.7 WI Rice Lake 1049 1800 <u>kQDE</u> 92.1 MA Waseca, ads, k 916
TIT! THE STATE OF	"kRWO/k QDE"
1817 92.1 "Heflin, AL" 2037 <u>KIZN</u> 93.1 ?west calls + "93-FM", k	1812 i D'EL 95.9 MN Faribault, ads- 936
2101 KKED 90.3 TX Corpus Christi, ID (tr)	German oom pan pah mx
Es	1816 WEVR 106.3 WI River Falls, ad+calls
2117 KOSO 93.1 CA Patterson, ads 1035	21827 990
"K0-95"	1818 KYRQ 92.1 MW Little Falls, ads 999
2121 kZAP 98.5 CA Sacramento, ID 1071	1823 AWNG 105.5 MN Red Wing, "k-Wing" 968
sounded like "KUAP"	1826 WQTC 102.3 WI Two Rivers, ads 1139
2124 KROY 96.9 CA Sacramento, ID 02124	1828 <u>WIMI</u> 99.7 MI Ironwood, ID 1143
2126 KSFM 102.5 CA Woodland, ID, 7M102 1089	1836 <u>WAHC</u> 96.7 WI Oshkosh, "C-97", ads 1080
2135 unID 96.9 west "97-rock" kdCY??	1837 WXRO 95.3 WI Beaver Dam, k ID 21839 1053
766-9797	1840 WDOR 93.9 WI Sturgeon Bay, ads 1166
<u>tr</u>	1842 WKKB 92.1 WI Manitowoo, ID 1121
2157 <u>KYND</u> 92.5 TX Pasadena, ID 520	1845 WYUR 95.9 WI Ripon, ads, ID 1067
2229 KIOC 106.1 TX Crange, "L-106" 595	1850 WMkC 102.9 MI St. Ignace, ID, k
2230 KWIC 107.7 TX Beaumont, "Quick Fi:"	1859 CBSM 89.5 ON Sault Ste. Marie, wx 1350
ID @2259 (hasn't moved to 107.9 yet) 574	1929 WNBI 98.3 WI Park Falls, ID 1103
2252 KNOk 107.5 TX Ft. Worth, ID 368	1948 WHUH 97.7 MI Houghton, "Stereo 98", 1215
2259 KGOL 107.3 TX Lake Jackson, ID 539	ads, "Copper Country"
2302 KKDA 104.5 TX Dallas, "L-104" 368	1955 <u>kQRS</u> 92.5 MN Golden Valley, ID, r 968
2318 KHYS 98.5 TX Fort Arthur, 574	Plus many unid's during opening
"kiss-98"	4 /10 TI-
2320 WJMI 99.7 MS Jackson, ID, "JMI" 772	6/18 Es 0815 WWB 107.3 FT. St. Petersburg. ID 1300
2332 unID 105.7 east KHCB? SS ID92354	0815 <u>WWBA</u> 107.3 FL St. Fetersburg, ID 1300 0820 <u>WJY0</u> 107.7 FL Orlando, "Joy 108", ID 1359
2334 unID 105.5 east TX "Kicks-105", k 2338 KVMX 96.7 TX Eastland, ID 262	
7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0836 WPCV 97.5 FL Winter Haven, ID 1350
	0840 WJCT 89.9 FL Jacksonville, promos 1300
	nt.
•	31
	<u></u>

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6/18 Es
0909 WCRJ 107.3 FL Jacksonville, k, FM 107
                                           0931 WDDQ 92.1 GA Adel, ads, "Q-92"
 "The New WCRJ"
                                      1300 0932 WBKF 92.1 FL Macclenny, k, ID@0951 1274
0913 WORJ 103.9 AL Ozark, ads, "J-103" 1053
                                           0950 WFSU
                                                     91.5 FL Tallahassee, ID
                                                                                    1233
0916 WKTZ 96.1 FL Jacksonville, ID, "FM96"
                                           0954 WOHL 98.1 FL Live Oak, ads
                                                                                    1220
0924 WJAD 97.3 GA Bainbridge, "96 Rock"1116 0957 WBCM 98.9 FL Tallahassee, r, ID@1000
0925 WIVY 95.5 AL Dothan, k, ads, ID 1067 1010 WQIK 99.1 FL Jacksonville, ads
                                                                                    1300
0926 WJAX 95.1 FL Jacksonville,s, 95X, ads 1013 WPAP 92.5 FL Panama City, k
                                                                                    1071
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Pizzi, cont.

Well, I got the JVC VT-900 back from repair, and just in time, too. Es of 6-5 and 6-6 were very intense(6-6 Es to ch. 7). Trops on 6-6 and 6-7 excellent with most signals reaching full quieting. Need help on KIZN. June Es has been great, so far, with 128 new and 12 days til the end of the month. On 6-18 I had to go to the office (I was an hour late already) and missed some I'm sure. WQIK and WPAP were heard in the car on the way to work. Trops has slacked off with nothing interesting to report. 6-15 CFPL 95.9 Logging was a surprise as opening seemed to be from the east-my first Ont. station on FM. Until next report, best of DX to all, Jim.

Charles George, 6407 Howard, Dallas, TX 75227

On June 9 at 12:25 am, I managed to get LKED 90.3, Corpus Christi, TX.(A lot of people have been getting that station. DB) They had a program, Nightlife Jazz. At 1:55 until 2:30 am, I was able to receive these stations from Mobile, AL: WABB 97.5 "Gulf's Best Rock", WBLX 92.9 soul/disco, WKRC 99.9(with contest/IDs between almost every song) It was enjoyable hearing these stations with their hyper presentations as compared with the laid back style of the announcers on the DFW area stations, brought back listening to AMs: KBOX, KLIF, KFDZ, KXOL when they were rockers. 2:30 am, I got WLIN 97.5(background music) of Jackson, MS. From 2:50 am until conditions faded, I received: KHOM 104.1, Houma, LA (AP country network), WBYU 95.7 (background music), WQUE 93.3(RKO pop music network), New Orleans.

KERA, Dallas had a fire at their transmitter and was off the air for several days during the week of June 6th. Several of my non-DXing friends even came up with some DXing when tuning to missing KERA. Best of 73's.

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Rick Samford, 404 S. McNeill, Burnet, TX 78611 - CST/CDT
1/19 all tr
                                            6/9 tr
0637 WKYD 98.1 AL Andalusia, ad
2324 KLPQ 94.1 AR Little Rock, wx, Q-94
3/25
0859 <u>KKED</u> 90.3 TX Corpus Christi, c
                                             0639 WOKK 97.1 MS Meridian, k, 97-0KK
                                             0645 WSJC 107.5 MS Magee
                                             0655 WBAM 98.9 AL Montgomery, contest,
0857 kRUX 102.5 TX Lubbock, k, k-102
                                             99-FM nx
0900 KLSR 105.3 TX Memphis, k, TX #225
                                             0843 WZZK 104.7 AL Birmingham
                                             0847 WLWI 92.3 AL Montgomery, k
0732 WAJY 101.9 LA New Orleans, Joy-102,
                                             0850 WXLY 96.3 MS Jackson, k
wx, ID
                                             0854 WUWF 88.1 FL Pensacola, c
0850 WRNO 99.5 LA New Orleans, rp
                                             0901 WAPI 94.5 AL Birmingham, rp
0859 WBHM 90.3 AL Birmingham, c, same
                                             0902 WAQT 94.1 AL Carrollton, k, Q-94
annr. as when first logged on 4/2/78.
                                             0919 WLHQ 96.9 AL Enterprise, Q-97, ads
0900 WZZK 104.7 AL Birmingham, k. nx
                                             0957 WQEZ 96.5 AL Birmingham
0957 WWOZ 90.7 LA New Orleans. i
                                             1000 WENN 107.7 AL Birmingham, National Black
6/9
0634 WRPM 107.9 MS Poplarville, s/on
                                             Network nx, ID
                                             1001 WPCS 89.3 FL Pensacola
0635 WKMX 106.7 AL Enterprise KMX
  Very few attempts at serious DXing have been made since my last report, so the results
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speak for themselves. However, I did manage to snag a little 500-750 mi, trop on June 8 and 9.

George Rogers, 320 Lafayette Rd., Chickamauga, GA

On June 8th I got a letter from you that said I did my DX logging wrong. Well, after reading that letter I decided to do a lot of things to improve my logkeeping. I have decided not to put any mileage figures in my reports. I am taping my FM DX at all times. I am limiting my stations logged per minute to one, and I am basing my DX on the area where the E-skip or tropo is coming from. These four things will help me change my ways of FM DXing. Equipment: GE Superadio. All times EDT.

5/25 tr 0757 WCKQ 103.9 KY Campbellsville, loc. ad 0856 WFEZ 107.9 GA Macon, local ad, EZ-108 0910 WKPT 98.5 TN Kingsport, m 1020 WAMZ 97.5 KY Louisville, loc. ad 1040 WMAZ 99.1 GA Nacon, local ad 6/2 tr0855 WDEN 105.3 CA Macon, loc. ad

0900 WTNJ 105.9 WV Mount Hope,k 0910 WVOC 102.9 GA Columbus, k 0938 WFNE 100.1 GA Forsyth, g 0948 WKEU 97.7 GA Griffin, m 1002 WGRG 103.9 GA Greensboro, nx, cont..... 6/2 tr 1010 WETS 89.5 TN Johnson City, c 1014 WELR 95.3 AL Ronanoke, k 1040 WAFB 98.1 LA Baton Rouge, ad 1940 WWWL 93.9 FL Miami Beach, r 6/6 tr 2020 WMC 99.7 TN Memphis, ad, FM-100 three others from Memphis 2025 WOKK 97.1 MS Meridian, loc. ad 97-okk 2105 WUAL 91.5 AL Tuscaloosa, j

SOUTHERN FM DX

2110 WZXR 102.7 TN Memphis, pr, Rock 103 6/7 tr (A huge day!) 0836 WSJC 107.5 MS Magee, k 0838 WXBM 102.7 FL Milton, k 0856 WABB 97.5 AL Mobile, wx 0857 WEZB 97.1 LA New Orleans, nx, B-97 0858 WTYX 94.7 MS Jackson, wx, 94-Ticks 0900 WSTG 106.3 AL Sheffield, g 0908 WKSJ 94.9 AL Mobile, sports nx 0909 WKRG 99.9 AL Mobile, p, G-100 0912 WAJY 101.9 LA New Orleans, m, Joy-102 0919 WAFB 98.1 LA Baton Rouge, loc. ads 0920 WJDQ 101.3 MS Meridian, ad, Q-101 0930 WOGQ 107.3 GA Columbus, p, 107-Q 1017 WQXY 100.7 LA Baton Rouge, m 1019 WMC 99.7 TN Memphis, p, FM-100 1022 WTVY 95.5 AL Dothan,k 1029 WPMO 99.1 MS Pasagoula, m 1030 WBIP 99.3 MS Booneville, wx.o/WQMT 1035 WZLO 98.5 MS Tupelo, loc. ad, 2-99 1040 WKRA 92.7 MS Holly Springs, loc. ad 1044 WKZB 95.3 MS Drew, P 1156 WHHY 101.9 AL Montgomery, loc. ad, Y-102 1335 WPAP 92.5 FL Panama City, ad 1400 WOFM 94.9 TN Creenville, ID Es (What a opening!) 1510 WhGL 92.7 NY Middletown, k 1511 JKYT 92.7 YT Brattleboro, ID 1513 WSRS 96.1 MA Worchester, ad 1514 WVOS 95.9 NY Liberty, loc. ad 1515 WWYZ 92.5 CT Waterbury, loc. ad 1516 WFAR 88.5 CT Danbury, r, 118 w. 1517 WHRB 95.3 MA Cambridge, talk 1520 WCGY 93.7 MA Lawrence, loc. ad 1521 WBOS 92.9 KA Brookline, r 1522 WCWL 91.3 MA Stockbridge, gr 1523 WRUT 97.1 VT Rutland, ads, \$-97 1525 WAXA 98.9 ME Brunswick, k 1526 WGAN 102.9 ME Portland, m

1529 WABA 104.8 ME Gardiner, loc. ad 1530 WOXO 92.7 ME Norway, loc. ad 1531 WGTF 93.5 MA Nantucket, p 1532 WYUT 92.7 NY Herkimer, big band 1559 WPBC 92.9 ME Bangor, nx 1604 WHCF 88.5 ME Bangor, g

1605 WMEA 90.1 ME Portland, c, HPBN 1606 WMEH 90.9 ME Bangor, c, MPBN 1607 WDEA 95.7 ME Ellsworth, wx 1608 WCBFM 91.3 NB Fredrickton, nx

1619 WHWB 98.1 VT Rutland, wx, k-98 1622 WTMS 96.1 ME Presque Isle, ad 1625 WJBQ 97.9 ME Portland, ID, 98-J

1627 WHFM 98.9 NY Rochester, p 1628 WIGY 105.9 ME Bath, r, Y-106 1629 WPOR 101.9 ME Portland, k

1632 CBMU 95.5 PQ Harrington Har, c 1639 WFLR 95.9 NY Dundee, local ad

1640 WJYE 96.1 NY Buffalo. ID. Joy 1641 WGRQ 96.9 NY Buffalo, r, 97-rock 1642 CFMP 101.5 ON Peterborough, ad 1643 WMHR 102.9 NY Syracuse, g 1644 WEZO 101.3 NY Rochester, m 1646 CBF10 101.1 PQ Sherbrooke, FF 1647 WVPR 89.5 VT Windsor, c 1649 CJBX 92.7 ON London, k, BX-92 1655 CLAT 101.9 ON North Bay, k, c-cat 1656 CK02 99.1 ON Toronto, nx 1657 ChFM 99.9 ON Toronto, mr 1659 CLOT 101.3 ON Tillonsburg, m, \$-101 1712 CBCS 99.9 ON Sudbury, c 1715 WBEN 102.5 NY Buffalo, p, rock-102 1720 CILQ 107.1 ON Toronto, p, Q-107 1733 WNCQ 97.5 LY Watertown, Alex Bay ad 1734 WIGS 95.3 NY Gouverneur, local nx 1736 CIGM 92.7 ON Sudbury, k 1738 CBCP 93.5 ON Petersborough, CBC sports 1740 CFPL 95.9 ON London, traffic nx 1741 CJFM 95.9 PQ Montreal, ads, F1-96 1743 CHAY 93.1 ON Barrie, ads, \$-93 1800 CBON17 95.1 ON North Bay, FF nx 1806 CBCN 96.1 ON North Bay, CBC nat. nx 1811 CBCC52 96.7 ON Pembroke, CBC nat. nx 1814 CFME 96.3 CN kingston,k 1822 JIMF 94.9 PQ Hull, FF ad 1835 CFNQ 93.9 ON Ottawa, ads 1849 CJMF 93.3 PQ Puebec City, FF ad 1900 CEJ3 93.1 PQ Dolbeau, ID 1920 CBON22 93.7 ON Geraldton, FF mr 1923 CBWX 94.7 MB Fisher Branch, CEC nx 1934 JML 93.9 FL Miami Beach, mr, Love-94 1947 CBJ7 92.7 PQ Cap Aux Meules, FF talk 2000 WAKQ 93.9 MN Hibbing, k, The q 2003 WSCD 92.9 MM Duluth, wx 2016 kkHJ 93.9 SD Rapid City, local ad 2104 WCPC 93.9 MS Houston, UPI nx 1203 NZZR 95.7 MI Grand Rapids, p 1218 JUNR 89.1 /A Roanoke, nx 1412 JKKQ 93.9 NN Hibbing ,k 1415 : ALS 93.1 KS Fratt, local ad

6/9 tr 0920 WCOS 97.9 SC Columbia, k, great-98 0922 WRFM 98.1 SC Seneca. E 0925 WVDM 101.3 SC Sumter, s

0926 WLOV 100.1 GA Washington, mr 0938 WEPR 90.1 SC Creenville, SCFFN, ID 1005 WLTR 91.3 SC Columbia.c

6/10 Es 1820 WDAY 93.7 ND Fargo, m

1847 kSDN 94.1 SD Aberdeen, m. 2-94 1848 LYTN 94.7 ND Grand Fords, P 1850 kJAA 94.9 SD Aberdeen, ads 1858 KKRL 93.7 IA Carroll, WX

1919 KELO 92.5 SD Sioux Falls, m 1932 kIDA 92.7 IA Ida Grove, AEC nx 1935 KGFX 92.7 SD Peiree, ads (?? recheck, Dr) 1944 KWYR 93.7 SD Winner, local ad

6/11 tr0725 WMC 99.7 TN Kemphis, nx

0735 WHOP 98.7 kY Hopkinsville, nx 0740 kSSN 95.7 AR Little Rock, k 0915 KLAZ 98.5 AR Little Rock, p 0932 WCPC 93.3 KS Houston, farm nx, cont.. 8

SOUTHERN FM DX

1759 WDZZ 92.7 MI Flint, ID

6/16 Es

1800 WVIC 94.9 MI East Lansing, ID, r

0854 KDXT 93.3 MT Missoula, XT-93, ads

2030 KNAQ 92.1 ID Rupert, ID, Q-92

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Rogers, input.
 6/11 tr. cont.
0935 WXkG 94.9 TK Livingston, nx
0938 kYkY 103.7 AR Little Rock, p
1002 WJBB 92.7 AL Haleyville, nx
1013 WDDE 103.9 TN Jamestown, g
1130 KHAC 99.1 AR Fort Smith, nx 2130 WAIT 104.1 TN Jackson, k
6/14 Es
1330 XHGL 97.7 YU Merida, ad, Sl
1335 XHNT 98.5 YU Merida, ads. Sl
1345 XHAV 100.3 Jal Guadalajara, Sl
6/15 Es
1715 kSDN 94.1 SD Aberdeen, wx
1718 KYYY 92.9 ND Bismarck, p. Y93
1720 kQDY 94.5 ND Bismarck, wx, KQ94
1723 kkGk 93.3 IA Des Moines, nx
1725 k.AA 94.9 SD Aberdeen, ad, KQ95
1728 kELO 92.5 SD Sioux Falls, m
1730 kkRC 93.5 SD Sioux Falls, ad
1737 NWOA 95.1 MN Worthington, ad
1740 kkLO 96.9 SD Watertown, ad
1752 LTPR 91.1 IA Fort Dodge, NPR nx
1756 KRCS 93.1 SD Sturgis, ads
1805 kkOk 94.7 MN Morris, m
1821 LIXX 96.1 SD Watertown, ad
1824 KBCM 95.5 IA Sloux City, ad
1837 KSDY 95.1 MT Sidney, ads
1840 AOLY 99.5 SD Mobridge, m
1844 kWYR 93.7 SD Winner, ad
1845 kIZZ 93.7 ND Minot, p. Z-94
1900 km &L 93.7 IA Carroll. wx
1920 kFBQ 97.9 WY Cheyenne, ad, Q-98
1922 KJSk 97.5 NE Chadron, loc. ad
1957 WIAT 93.1 NJ Paterson, nx
1959 WCGI 93.7 MA Lawrence, old r
2000 CIGE 92.7 ON Sudbury, nx
2015 WMGX 93.1 ME Portland, p
2028 NDAY 93.7 ND Fargo, local nx
2030 kGCH 93.1 MT Sidney, ID, CH-93
2040 WDEA 95.7 ME Ellsworth, R. S. BB
6/16 tr
0930 WBFM 98.1 SC Seneca, nx
0934 WEZC 104.7 NC Charlotte, m
1006 WTQR 104.1 NC Winston-Salem, wx
2008 CKSB7 93.5 ON Kenora, FF, c
2011 KOLL 93.5 WY Gillette, ad, 93-Rock
2023 LHDN 95.3 MT Hardin, mr
2025 LEHJ 93.9 SD Rapid City, m, FM-94
2035 LVSR 97.9 SD Rapid City, g
2038 KXXE 101.3 MT Forsyth, AP nx, FM-101
2105 kBAT 93.3 TX Midland, k
2125 kSDY 95.1 MT Sidney, k, Country-95
2140 KLAN 96.1 ND Williston, ANC nx
2222 KIZZ 93.7 ND Minot, wx
6/18 Es
0949 KHRR 102.5 TAM Reynosa, SL.loc. ad
0952 KTFE 102.7 TX San Antonio, nx
1002 XHRL 98.1 NL Monterrey, SL NX
1004 XET 94.1 NL Monterrey, S1 nx
1005 AHAL 94.9 NL honterrey, Sl nx
1013 MHZL 91.7 NL Monterrey, Sl nx
1015 XHRK 95.7 NL Nonterrey, SL nx
1025 FILL 92.7 TX Eagle Pass, ad
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6 10 Es	93.5 SD Sioux Falls, p 93.7 IA Carroll, pr 96.9 SD Watertown, area ad 95.5 IA Sioux City, area ads 97.9 IA Sioux City, ABC nx 92.9 NE Scottsbluff, ad, FM-93 94.1 NE Scottsbluff, k, FM-94 97.5 NE Chadron, p, Q-98 93.7 kS Salina, NBC nx, kY-94 101.1 KS Oberlin, AP nx 98.5 CO Denver, movie ad
Z ₅ 70 kkrc	93.5 SD Sioux Falls, p
2 G/5 LKRL	93.7 IA Carroll,pr
2(%)1 KDLO	96.9 SD Watertown, area ad
2012 KBUM	95.5 IA Sloux City, area ads
21-12 KNOR	97.9 IN STOUX CITY, ADC IX
20.68 KNEB	94.1 NE Scottsbluff, k. FM-94
2.1(1 kQSK	97.5 NE Chadron, p. Q-98
2 3 LYEZ	93.7 kS Salina, NBC nx, kY-94
2:45 KFNF	101.1 KS Oberlin, AP nx
2:17 kYG0	93.7 KS Salina, NBC nx, KY-94 101.1 KS Oberlin, AP nx 98.5 CO Denver, movie ad 99.9 CO Pueblo local ada
2012 LUDO	99.9 CO Pueblo, local ads
2245 1110	95.1 CU Colorado Springs, m
27-39 KIMB	93.3 CO Lamar local ad
2:750 KCCY	97.9 CO Pueblo, local ad
6,541 MS	95.1 CO Colorado Springs, m 93.9 CO Colorado Springs, p 93.3 CO Lamar, local ad 97.9 CO Pueblo, local ad
	93.3 VA Fredricksburg, ID
6,142 Es	
08 26 KSJT	97.5 TX San Angelo, S1 93.3 TX Midland, k 97.9 TX Odessa, r 96.9 TX Odessa, talk, Super q 93.1 TX El Faso, sports, ZEM
OC OF TIED	93.3 TX Midland, k
00 08 KOTP	96 9 TY Odessa, r
OC OD KAMZ	93.1 TX El Faso, sports, ZFN
os 13 klag	95.5 TX El Paso, pr. The Ω
05 12 KSET	95.5 TX El Paso, pr, The Q 94.5 TX El Paso, p 96.3 TX El Paso, k, Y-96 93.9 TX El Paso, ads 92.1 NM Carlshol n
OS 17 LHEY	96.3 TX El Paso, k, Y-96
05.74 FIZE	93.9 TX El Paso, ads
KATK	92.1 NW Carlsbad, p
15,21 YHOT	07 7 VII Monddo CT
2C-20 XHMT	98.5 VII Nerida SI ID
2120 WSNE	93.3 MA Taunton ID
2121 WLVH	93.9 TX El Paso, ads 92.1 NN Carlsbad, p 97.7 YU Merida, m, SL 98.5 YU Merida, Sl, ID 93.3 MA Taunton, ID 93.7 CT Hartford, SL nx 93.7 MA Lawrence, old r 95.7 CT Hartford, m, Kiss 95.1 CT Brookfield, ad, I-95 94.7 MA Springfield, p
21522 WOGY	93.7 MA Lawrence, old r
2153 WI.SS	95.7 CT Hartford, m, Kiss
21024 WINE	95.1 CT Brookfield, ad, I-95
6/645 Es	94.7 MA Springfield, p
2205) LELT	QL 5 TY Hamlingon Is
220 3 XHAAA	93.1 TAF Reynosa, Sl, mr
223 7 KIWW	94.7 MA Springfield, p 94.5 TX Harlingen, k 93.1 TAN Reynosa, S1, mr 96.1 TX Harlingen, SL
113 5 KWLS	93.1 kS Pratt, ABC nx 92.5 MA Haverhill, AP nx 93.7 ND Fargo, m, FM-94 93.5 FL Big Pine Key, ads 93.9 ON Ottawa, ad 93.1 hE Portland, p, Magic 94.7 ND Grand Forks, r, y-95 99.1 MI East Lansing, ad 98.1 MI Saginaw, local ad 101.3 MI Grand Rapids. local ad
1143 WHAV	92.5 MA Haverhill, AP nx
112 L WDAI	93.7 ND Fargo, m, FM-94
113) WWUS	93.5 FL Big Pine Key, ads
1159 WMGX	93.1 ME Portland, n Macic
1137 KTYN	94.7 ND Grand Forks, r. v-95
12) WFMK	99.1 MI East Lansing, ad
12)03 Wk.CQ	98.1 MI Saginaw, local ad
12 ₁₀) WCUZ	101.3 MI Grand Rapids, local ad
1252) MONT	98.9 II Petoskey, wx 95.7 MN Morris, local ad 100.1 CH Kent, local ad 101.9 MI Traverse City, ad
1233 MATE	100 1 OF Year 22
12 VLDR	101.9 MT Traverse City ad
	102.9 MI St. Ignace, local ads
TCTM (MT2T	91.1 WI Appleton, p
12)q'WCSG	91.3 AI Grand Rapids.c
12) ₄) KDSU	91.9 ND Fargo, promo
12)1 KCCM 12)1 WRDN	91.1 MM Moorhead, MPR prog.
12)1 CHON	95.9 WI Durand, area band ad 97.7 PQ Montreal, local
12)4; kKXL	92.9 ND Grand Forks, ad, XL93
LC)/· WAIZ	101.5 PA Waynesboro, h Top 10
1205 WRVM	102.7 WI Suring, Rel, Drama
IZIV KWAA	94.9 SD Aberdeen, ad, CONT
.5 .5v	
7/	

SOUTHERN THE DA	
Total Chickamauga log: 745, total overall log with 13 days of FM Es so far this month. I n It's a middle of the road station. I got the from. My goal is still 2000, and I'm hoping sorry for my bad logkeeping. I am doing bett (George indicated most of his loggings were expected.)	eed help with the location of KHLE at 92.7. ID on tape, but I don't know where it's for a big FM E-skip in July. Again, J'm er. Remember in 1982 FM-DX will come thru! ither taped with an ID or heard with an IL. DB)
Danny Buntin, 1312 N. Skyline, Stillwater, Ol	74074 - 6/7 to 7/6 CDT
Danny Buntin, 1912 N. Skyline, Stillwater, Ch.	10 ol enterno 30 ft high w/rotor
Equipt: Pioneer TX-9100 tuner, Antennacraft	10 et. antenna, jo it. mgn vyrotor.
<u>6/7</u> Es	$\frac{6/16}{135}$ tr
1659 WRVS 95.1 MD Baltimore, ID	2200 KHNE 96.7 Ck Comanche, ID, k, \$, new
1711 WASH 97.1 DC Washington, ID	6/17 Es
1715 WHOM 94.9 NH Mount Washington, ID 1470	2200 WHSA 89.9 WI Brule, ID, prev. by tr 790
1722 WYST 92.3 MD Baltimore. ad 1125	4/or w-
1,22 ,122 ,200	6/25 Es 2100 MUCE 89.9 FL Orlando, ID 1070
1727 WAYV 95.1 NJ Atlantic City 1250	
1730 WFPG 96.9 NJ Atlantic City, ads	2125 JSHE 103.5 FL Ft. Lauderdale, 103 She
1734 WMGM 103.7 NJ Atlantic City, ads, ID	<u>6/26</u> Es
1737 WTVR 98.1 VA Richmond, nx 1100	0955 WKNC 88.1 NC Raleigh 10/0
1751 WWAY 99.9 ME Auburn, Wave 100, ads	
(state #48 and my most distant Ds) 1520	<u>6/26</u> Es
	1004 WOBR 95.3 NC Wanchese, ID, m
1758 WWDC 101.1 DC Washington, Ck-101	
1806 WMJX 106.7 MA Boston, Nagic 106, ID 1455	1011 WMBJ 95.9 NC Moorehead City
1809 WLFE 102.3 VT St. Albans, ID 1400	1023 Wash 98.1 NC Fayetteville
1815 WKHI 99.9 MD Ocean City, 100 KHI, ads	1030 <u>MPAT</u> 93.1 NJ Faterson, ID, n
1830 WSSH 99.3 MA Lowell, ID, ads 1455	1032 WZKB 94.3 NC Wallace
1835 WOWI 102.9 VA Norfolk, Wowie 1110	1035 WAZZ 101.9 NC New Bern, ID, wx
1850 WPTX 97.7 MD Lexington Park, ID	1035 WGNI 102.7 NC Wilmington, ID
1854 WFLS 93.3 VA Fredericksburg, ad 1100	1039 WSFL 106.5 NG Bridgeton, ID
10), 1120),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1055 ANDR 101.3 VA Hampton, 2WD
1900 WOMC 95.3 VA Charlottesville, ID	1101 115111 /01/ 20 11411-1-0111
1902 WAER 88.3 NY Syracuse, ID, b-game 1200	1105 MUJC 88.7 OH University Heights, ID
tr	1110 WUWU 107.7 NY Wethersfield, ID
1955 WWNO 89.9 LA New Orleans, ID 590	1116 WRRB 107.9 NY Syracuse, ID
2359 kVLU 91.3 TX Beaumont, ID 460	1125 WSUX 98.3 DE Seaford, ID 1200
6/8 tr. cont.	1128 WFVA 101.5 VA Fredericksburg
0002 KRRV 100.3 LA Alexandria, ID, k 430	1137 CKFM 99.9 ON Toronto 1110
	1145 WDSY 107.9 PA Pittsburg, ID 990
0014 KXKZ 107.5 LA Ruston 360 0019 KWIC 107.7 TX Beaumont, r, strong 460	11.58 WR.SU 88.7 OH Kent 235
coor i gov toli f TV Omence Toom 10/1 1/2 ade	1 = 2
0027 kZOM 104.5 TX Orange, Zoom 104 1/2, ads	
0037 KIPR 95.5 TX Diboll, "Lipper", ID, k	1200 WELU 89.1 NI Ypsilanti, ID
0041 WRNO 99.5 LA New Crleans, ID, r 590	1210 ChO 106.9 CN Ottawa, ID
0057 WEZI 105.9 TX Memphis, ID, m 410	1214 WILQ 105.1 FA Williamsport, ID
0059 WEZB 97.1 LA New Orleans, ID, r B-97	1220 WNOZ 99.9 NY Cortland, IL 1205
0109 KJCS 103.3 TX Nacodoches, ID 415	1222 WQYT 98.1 NY Binghampton, ID 1230
0114 WXLY 96.3 MS Jackson, k, ID 480	1231 WIOG 106.3 MI Seginaw, ID
V22, M222 ,000, 112 121111111, 1,	6/30 2s
6/9 tr	10)2 11.11 00 1 12 12 12 12
0015 WXLY 96.3 LS Jackson, ID 480	1041 WCVU 94.5 FL Naples, ID, n, Seaview
0057 WQNZ 95.1 MS Natchez 460	1045 WWBA 107.3 FL St. Petersburg, ID, m
6/13 Es	1050 WPFT: 107.9 FL Panama City 790
2015-2100 up to 94.5, no IDs	1057 WYNF 94.9 FL Tampa, 95YNF
tr	1100 WCIE 91.3 FL Lakeland, ID, E
2351 WKYV 106.7 MS Vicksburg, ad, kYV 445	1110 WJCT 89.9 FL Jacksonville, c, ID 990
TANK HILLY TOO! I HO I TOURD OF WAILTY AND	7/2 to

7/3 tr

7/4 tr

#####

2200 WKYV 106.7 MS Vicksburg, k

2130 KFMV 107.9 AR Magnola, ID, g

Logging 48 states took 8 1/2 years to

accomplish. Getting the last two states 1

1030 XHSRC 92.5 NL Monterrey, Sl, p

1842 LPKE 95.7 CO Denver, concert ad

145

300

William J. Drach Ellis St. R.R.#2 Kewaunee, WI

54216

August 1982
Robert Ross; Box 4373 Stn. C. London, Ont. N5W 5J2 EDT? Deadline: 1st May 1982
10 Tr 2058 WFMJ-21 OH 135 10 Tr 2128 WXON-20 MI 120 14 Tr 0729 WTRF-7 WV 200 2103 WAKR-23 OH 130 14 Tr 0710 WNED-17 NY 125 0732 WCPO-9 OH 320 2106 W67AL (WVIZ)130 0713 WPTT-22 PA 180 15 Tr 0405 WCPR-62 MI 120 W64AF # 0715 WGTE-30 OH 150 0717 WUHQ-41 MI 210 0410 CFMT-47 ON " 2110 WCLQ-61 OH 100 0430 WJAN-17 OH 150 2115 WUAB-43 OH " 0720 WEAO-49 OH 130 (now WTOF-wd)
0725 WNEO-45 OH # 18 Tr 0319 WIEV-4 NY 125 2120 WKHN-27 OH 135 2124 WVIZ-25 OH 100 0727 WPGH-53 PA 180

Equipment: Toshiba 12" tv; UHF Flying Arrow ant.

Saul Chernos: 79 Ridge Drive, Toronte, Ont. M4T 1B6 EDT?

3	<u>Jυ</u> 2	ne Ms	1982 0540	WTKR-3 VA 570 Norfolk	June 7 Es		WDSU-6 LA 1225	8	ne Es	1982 1930	KTCA-2	MN	725
3	3	Es Ms	1930 0546	(was WTAR-wd) WERZ-2 LA 1230 WEAR-3 FL 1120 Pensacola	9 10.	1955	KALB-5 LA 1220 Alexandria WWL-4 LA 1225			1954	CKPR-2 Thunder CBWFT7- Kenora	2 0	y N 845
		Es Ms	2100	<u>KYTV-3 MO</u> WTVY-4 AL 1025 WRCB-3 TN 775	O M2	1730	KSNB-4 NE KTIV-4 IA 1010 Sioux City KNOP-2 NE 1165	9 1	ŝs	1930	CBWT2-1 Lac du Unided: KDFW-1	Bon	net ch-2
6)	Es	1802	Chattanooga WPBT-2 FL t WESH-2 FL 1110 KQTV-2 MO			CBWT-6 MB 965 Winnipeg KSTP-5 MN 725 St. Paul	10	ы	1930 1931 2000	WERZ-2 WWL-4 WMAB-2	LA LA MS	1230 1225
			1845 1856	WFMY-2 NC 620 Greensboro		1900	KXON-5 SD 985 KPRY-4 SD KGFE-2 ND 930	11	Es	1805 1811	WPBT-2 WTVJ-4 WSB-2 WESH-2	FL GA 8	1345 840
			1911	WCBD-2 SC 850 Charleston WWAY-3 NC 745 Wilmington		1901	Grand Forks CKYP-4 MB 1090 Brandon CKX-5 MB 1090	13	Es	1817 1830 1300	WPTV-5 WPBT-2	FL FL	1280 13 ¹ +0
7	I	šs	1928 192 8	KUSD-2 SD 940 WERC-6 AL 910 Birmingham WJEF-6 GA 825		1903	Brandon CBWFT-3 MB 965 Winnipeg			2202	WWL-4 WESH-2 WPBT-2	FL.	1110
				Augusta		T70/	KDLH-3 MN 685 Duluth						

"The first few days of June have been good. June 7 was muf 107.9 at least & most time spent on FM. On June 8th muf was 104.9 but only for 1 hour. The Ontario Es was a nice surprise; Thunder Bay is only 580 mi. away. Would have been a nice time for 2Es but none noticed. Also a lot of the pests. I may even ask to have W bT's schedule put in our local TV Guide. W BT, WESH & W BRZ are the worst on 2 and WTVJ and WTVY the worst on 4. Three is hard to DX due to nearly CKVR but DX can be done if it's in strong enough. Totals now at 146 and may this continue. Seventy Threes."

William R. Hepburn; c/o Transport Canada Training Centre, 1950 Montreal RD.. Cornwall, Ont. K6H 6L2 EDT

"This year's Es season has yet to start for me. It's already June 1st. This is my first year of DXing with no May Es. Perhaps being 250 miles NE of my usual qth has something to do with it. Hope others are having better luck. A friend in Vancouver had FM Es on May 15th. Some tropo though top distance only 250 miles. So far my Cornwall record: log totals a slim 55. (All loggings are new-wd)

	(TO TO PETTE OF O TO T	
May 1	982 <u>May 1982</u>	May 1982
5 Tr	2131 WTVH-5 NY 150 13 Tr 2238 WHNG-12 NY 205	26 Tr 2319 WROC-8 NY 195
ll Tr	0624 WKTV-2 NY 135 2339 WSKG-46 NY "	2320 WOKR-13 NY #
	0625 WHEC-10 NY 195 2343 WICZ-40 NY "	2323 WUTV-29 NY 245
	1744 WIXT-9 NY 150 2345 WMGC-34 NY "	2324 CELFT-25 ON 25
36	2056 WUTR-20 NY 135 26 Tr 0714 CJOH6-6 ON 135	2334 CICA-19 ON #

August 1982

William Hepburn: continued ---

Eastern TV-DX

May 1982 26 Tr 2336 CHLFT14-32 ON 108 26 Tr 2347 CKGN22-22 ON 230 27 Tr 0020 W64AG NY 97 2338 CHLFT12-44 ON 190 2349 WCDC-19 MA 185 (WUTR) 0051 CBLFT13-15 ON 2344 CFMT-47 ON 250 2352 CBFT1-11 PQ 98 0655 CKGN 22-22 ON

Equipment: RCA tw with rabbit ears + bow tie on 4th floor. P.S.-Still have yet to get CKGM-6 in Ottawa only 60 miles away. CEMT. WRGB. & CJOH dominate the channel."

Saul Chernos: 79 Ridge Drive, Toronto, Ont. M4T 1B6 EST-EDT?

From Burnt River, Ont.: December 1981 January 1982 January 1982 January 1982 January 1982 January 1982 LA 1 Es 1702 WSB-2 GA 1 Es 1703 WDIQ-2 AL 1 1704 Es WTVY-4 AL 30 Es 1234 WESH-2 FL

From Toronto, Ont.: May 1982 5 Es 1555 WLBT-3 MS t 5 Es 1530 WBRZ-2 LA

The Burnt River Es were my first ever there in winter; (I've had once in T.O.). The T.O. Es of May 16 included an ad for "Jackson ?". This could be the 3 there (MS) but Jackson is a popular name and could be attributed to other stuff. Interestingly enough, WLBT happened to be right in the target area, but I won't count it. By the way, I saw the ad twice in a very short time span. Another little surprise. I had a TV-8 carrying Billy Graham's show tonite(June 1st). Since CbS was carrying it(it is(did) as far as I know), I checked 8 fer CBS' to the South, SW, SE. Only possibility was Charleston, WV. (I didn't know those broadcasts were carried exclusively by one network, I thought any one who wanted could pick up the broadcast.-wd) Was I ever surprised to see WROC-8 NY I.D.! They're NEC. (Local WFRV-5 was carrying it here.-wd). The CBS (WHEC-10) opted to drop the Graham Special & WROC, despite being part of NBC, grabbed it. Yet, WROC, to do this, had to drop their own NBC feed. This could be confusing to the unwary DXer and a heck of a good reason not to count a station by network alone. On the same togic, though dealing with FM, I notice NPR carries CBC Radio's "As It Happens". Try to wait for a CBC I.D. before you think you've logged Canada. Enough said, it's June 1st and no sign of Es for about a week. Of course, this means an actioned packed July! (I hope so -- wd)

Frank Wheeler: 6589 Wattsburg Rd., Erie, PA 16509 EDT May 1982 June 1982 June 1982 June 1982 11 Es 1600 KPRC-2 TX 1210 6 Es 1520 WRBL-3 GA 814 8 Es 1900 CKPR-2 ON 590 1532 WJXT-4 FL 830 12 Es 1230 KUSD-2 SD 851 Thunder Bay 14 Tr 2236 WNDU-16 IN 318 1632 WWL-4 LA 1005 13 Es 1330 WTVJ-4 FL 1098 15 Es 1844 WPBT-2 FL 1098 1825 WMC-5 TN 723 2330 WLBT-3 MS 882 18 Es 1900 KTWO-2 WY 1322 1902 WLBT-3 MS 882 14 Es 0900 WPBT-2 FL 1098 2130 WESH-2 FL 902 1928 KTVS-3 CO 1184 8 Es 1159 WBRZ-2 LA 1020 1200 WPBT-2 FL 1098 15 Es 1920 WBRZ-2 LA 1020 2000 KDIX-2 ND 1169 1259 KATC-3 LA 1056 1300 KJAC-4 TX 1124 2230 KOA-4 CO 1292 2000 KETS-2 AR 925 2030 KJRH-2 OK 943 22 Es 1918 KNOP-2 NE 1066 24 Es 1928 KTVS-3 CO 1184 1329 WLBT-3 MS 882 17 Es 2200 KCKT-2 KS 1015 1330 WEDU-3 FL 998 2300 KTVS-3 CO 1184

Equipment: Sylvania 24" tv (1976); ant.-Archer VU 160; Servo Rotor. Totals: 283 received, 215 verified.

Rebert Goodman: 2030 Hering Ave. Bronx, NY 10461 EDT Everything is new except WTXX, WJZ, WEAR & WLBT-wd.

June 1982 7 Ae? 1655 WBBM-2 IL tent. 7 Tr 2100 WAAT-40 NJ 130 7 Tr 2230 WEOC-16 MD 200 1900 WISC-3 WI 800 WTXX-20 CT 80 2235 WYAH-27 VA 310 1928 KIMT-3 IA 1000 t 2130 WCP B-28 MD 200 8 Tr 0540 WJZ-13 MD 190 2150 WLVT-39 PA 80 15 Es 1536 WEAR-3 FL 1050 15 Es 1958 WLET-3 MS 1050 WBRZ-2 LA 1200 t 2215 WWAC-53 NJ 110 31 Es 1630

Plus numerous Es uniDeds on the Es days, of course. The tentative loggings on ch.2 were under WCBS-2. The one tentatively assigned to WBRZ beat at only about 0.2 heats to WCbS, as seen by polarity reversals.

June 7 skip followed a solar flare, and the MUF was through FM (according to Eric Fader), but occurred at a date and time when sporadic E isn't unexpected, hence the "Es(Ae?)" for prop. Indoor antennas only. (In answer to your P.S.; my grandfather came from Sturgeen Bay many moons ago and we still have a few relatives up there. Most, however, are deceased .- wd)

Steve Sprachman: 3939 Eve Drive, Seaford, NY 11783

** I have gone and returned from the American Southwest. What a beautiful part of the country. If you haven't been to Arizona and Southern Utah, I strongly recommend that you take a trip there.

DXwise, there was some. These stations are on the air: WKOI-43, Richmond, IN with programs from the Trinity Broadcasting Network (of KTBN-40 Los Angeles fame). Other TEN stations seen; KPAZ-21 Phoenix (and translators K62BA Flagstaff and K57-- Tucson.) and KTÉO-14 Oklahoma City (they are not listed in TV Guide). THN is in the process of purchasing WFTI-54 Poughkeepsie, NY. They said it will cover New York City. I guess they would either raise the station s' power or move the transmitter. Also on (but not seen) WOAC-67 Canton. They are listed in the Youngstown-Eric TV Guide.

DXing on a motel TV is a real experience. If it has a working UHF dial, there is no UHF antenna. I did get some trop on May 19th in Effingham, IL. between 6 and 11 P.M. Stations seen: WCIA-3, WTTV-4, WTVW-7, WISH-8, WSIU-8, KETC-9, WICD-15, WAND-17, WICS-20, WVUT-22, WDDD-27, (does anyone know if they're still on; since that tornado moved through there?-wd), WBAK-38, WTWO-2, WTHI-10, WUSI-16. St. George, UT was also interesting. Received on the motel TV were 16 translators rebroadcasting 5 different stations.

My TV Guide collection is increasing. I picked up 21 editions of TV Guide, one TV News (from Indiana) and the National Edition of Tele-Guia from Mexico. (Are local editions like TV Guide? If so, what are they? Can any experienced Mexican. DXers or travelers fill me in?

The vacation was great, but I had to come home (and worse, go back to work!). I left with trops almost every night. Since I got home, DX has been nearly nil. I hope I didn't miss any great openings while I was away.

That's it for now. Hope everyone is having a great summer. P.S.-next year Europe."

Frank Merrill: P.O. Box 7207. Toledo, OH 43615 EST-EDT (419)-866-8589 anytime. 3/20 Tr 1843 WWMA-17 MI Grand Rapids 150 mi.

22 Tr 0433 WSNV-4 TN, Nashville 420 mi., faded in for about 50 seconds; didn't really act like MS burst as signal was stable.

Ms 0451 WSMV-4 TN, previously by tropo. They run a character-generated "cable news type" all nite.

4/14 Tr 1900-2000 WKMU-21, WFIE-14, WUSI-16, WKMA-35(cci only), WAND-17, WNED-17, WICD-15, WANE-15, WQRF-39.
2300 W65AH, W66--, repeating WAEO(you mean WEAO-wd) or WNEO(is this possibly another situation where W65AH, which relays WOUC-14 is also picking up WNEO-45, which relays WEMO, and kicking it up) to the next channel??), WPNE-38.

15 Tr 0200 KDN1-30, WLYH-15, WISC-3, WQAD-8, WLUK-11, WREX-13, WCIA-3, 5/11 Es 1430-1700 KMID-2, KFDX-3, KRGV-5, XEFD-3 tent., KIII-3, KPRC-2; 2014 Cuba-3

15 Es 1855 CM--- Cuba, Havanna; 1320 finally caught a parallel to Suba-3 after many years of trying to do so!

1800-2000 WEAR-3, WKRG-5, Cuba-5, WPTV-5, WCIX-6, WEDU-3, WPHT-2
16 Es 1528 KTBS-3; 1800 KPRC-2, KIII-3, KRGV-5.
17 Tr 0650-0700 WEOY-12, WPHY-33, WTAP-15, WHIZ-18, WLYJ-46, WHME-46.
18 Tr 0121 WOAC-67 OH, Canton, s/off 140.mi.

19 GW 0339 WK01-43 IN, Richmond s/off, "just what I need, another pest" 150mi Es 2043 KENW-3 NM tent.

6/2 Es 1856-1900 X???-3 Mexico Oko ad (el mejor in todo el Mexico), vota asi 4 de julio, "Television 3, el canal de las estrellas", soap opera with Alberto Vasquez. Not XEFB per telephone call to them!! However, there's a XHPN in Piedras Negras, and a telephone call to Eagle Pass does confirm the existence of XHPN (Jim Pizzi wasn't sure about it). Now I'll call KEPS back and see if I can't find a bi-lingual staff member who watches the channel 3, they might know if their favorite local TV station is "channel of the stars!" Eastern TV-DX Frank Merrill; continued ---Infortunately, the I.D. slide, which has hopefully been captured inside my camera, shows no call letters and no location at all! I won't let this one get away from me. I've been after a Mexican for 20 years!!!!

6/5 Es 1900 CJFB-5 and CBCP-1-3 both in. 6 Es 1803-1823 WGHH-2, KMID-2, KENW-3 tent., KDEC-4 tent. (different zero off-set CCI than what I'm used to so apparently not KMOL or KAMR).

7 Es 1816-1838 WTVY-4, WPTV-5, WTVJ-4, WCIX-6, Cuba-5, WTVY-4 1744 WFSB-3; 2000 KALB-5

1900 WMAD-2 MS Columbus 630.; 1730 WINE-6 RI, Providence 630 to GW 1545 ????-44 3/4 cb test, no audio. No I.D. or enything through 1605. Strength comparable to WLIO-35. Is there something new in Lima??(It's probably the new station on ch. in Lima which should be on shortly-wd)

Haven't seen any real Tr yet this year. The 4/14 opening was very brief and very weak and fady, and the hoped for overnight build up did not occur (many a super Tr opening has started up with weak 300 and 400 mile stuff during the middle or late evening). More promise was showing around midnight on 6/1 and into very early 6/2 with a weak showing of Tuscaloosa and Chattanooga (and nothing else) on FM and nothing on TV. Again I was drawing parallels, like 9/24/79 when I had WOWL-15 AL and nothing else just after midnight, but by dawn it was building into one of the greatest Tr openings of the past few years. What is the correct city of license for WLNE-6?? (New Bedford, MA-wd). Providence or New Bedford? Is this generally recognized as a RI or a MA station??(It depends where their xmtr is located; and, if it's still there, it should be in Tiverton, RI. When counting stations for states, count the state where the xmtr is located, not the city of license.wd). Obviously it would affect my state totals; the WTFDA TV Station Guide says "Providence" and the Vane Jones guide says "New Bedford" - of course I would prefer that it be Providence, hi. Unfortunately, the I.D. slide was flashed very quickly, too fast for me to see if it said "Frovidence" (or Providence-New Bedford) which would mean HI, or "New Bedford" (or New Bedford-Providence) which would mean MA. Unfortunately I missed the first half of that brief as opening to an ultra rame area; it was up into FM and a local guy got CT on 90.5 just moments before I got home, and Providence was probably possible on FM as well as MA (two FM states needed here). I am doing very little traveling in June and july, going only to the Staten Island convention, and the GWDXA Convention in Kent, OH the last weekend in June. (GWDXA is a "DX" club consisting mostly of sticker collectors, format and DJ followers and new wave AOR music followers). Of course if I'm home for the "barnburner" Es opening, I'll probably be paying close attention to channels 7 & 8 and sometimes watching the lower channels Es but FM will be eating up most of my attention, and all my time will be spent down marking down new FM loggings! I hope that this is a banner DX season for all of you (and the profuse amounts of is seen here and heard on FM already, point to possibly an above-average Es season)."

Robert Grant: N8DZY, 5775 Bishop, Detroit, MI 48224, (313)-884-3025, EDT =new __ =new mode *=thru local t=tentative May 1982 11 Es 1205 KBTX-3 TX May 1982 19 Es 0850 WEDU-3 FL t 7 Es 1924 WEAR-3 FL 12 Es 1030 KOET-3 OK 0924 WEAR-3 FL 1949 KXAS-5 TX 1100 KFDX-3 TX t 20 Ms 0659 WETV-3 NC 2024 KLNE-3 NE WKY-4 OK t 1200 KTXT-5 TX 8 Es 1100 KFDX-3 TX Charlotte 24 Es 1800 KFDX-3 TX 1130 WEDU-3 FL 10 Es 1800 KATC-3 LA Lubbock 1900 KARD-3 KS 1230 KOAA-5 CO 2000 KOAA-5 CO 1807 unided-3 1455 KOTA-3 SD 2015 KINE-3 NE (CNN2) 1600 CFSS-3 SK 1900 KFDX-3 TX 15 Tr 0600 WPXI-11 PA June 1982 7 Es 1545 WSAV-3 GA 1930 KTXT-5 TX WWTV-9 MI KENW-3 NM WIO V-9 OH 1600 WCBD-2 SC * Portales 0800 WTAJ-10 PA 1710 WLBT-3 MS 2000 KAMR-4 TX WTRF-7 WV * 1715 KATC-3 LA Amerillo 13 Es 2128 unideds-2-5. (I beleive 1800 WKRG-5 AL they changed their 1807 WCTV-6 GA 14 Es 0655 CKLT-1-3 NB t call letters but I 0710 CBHT-3 NS Thomasville 1609 WIVJ-4 FL * 0724 CBAFT-1-5 NB can't think of the 1824 WWL-4 LA * Fredrickton new ones: I don't 0947 unideds on 3&5 have a record of it-wd New Orleans (previously via Ms) 15 Es 1930 KENW-3 NM Es 1945 WLBT-3 MS 2030 KOAA-5 CO 1911 KALB-5 LA 16 Es 1530 WKRG-5 AL 2100 KLNE-3 NE

Alexandria

June 1982 15 Es 2130 KYCU-5 WY 2300 KOTA-3 SD

17 Es 2200 KOAA-5 CO 20 Es 2026 KBTX-3 TX 20 Es 2045 KTBS-3 LA 2125 KAMR-4 TX *

"Antenna is Radio Shack V-90 at 8! in backyard. Homes, trees and garages create heavy ground clutter.

TV before 5/18 is Zenith 21" bew (1959) w/Sutco tunable booster. The Zenith is now dead. (When I cleaned the tuner, something in the tuner broke.) TV after 5/18 is RCA 25" color (1982) with horrid tuner. (C.O.L.O.R. is an acronym for Cost Overrun / LOw Reliability.)

I seem to notice that in any given year the best Es openings are a little less than a month apart. (6/1 and 6/27 in 1979; 6/18 and 7/17 in 1980; 6/8, 7/8 & 8/6 in 1981 and 5/12 and 6/7 in 1982.) Another thing I notice is that most Es openings have a "clockwise trend". (Examples: A typical Es to the plains may start with KFDX and end with CFSS or KOTA. And an Es to the Gulf coast might start with WEDU and end with KPRC-2.)

with my new ham license (N8DZY) my old nickname "General Grant" can be taken literally!"

Marvin Shults: R.R.#1. To	oulon. IL 61483 CDT	
May 1982	May 1982	June 1982
5 Ls 0810 WTVQ-36 KY t	12 Es 1216 KRGV-5 TX	17 Es 2059 KNOP-2 NE
6 Es 1830 KPRC-2 TX	1220 XIII-5 Ch	North Platte
1900 WBRZ-2 LA	Chihuahua	2105 KTWO-2 WY
2200 KIII-3 TX	1259 KIII-3 TX	2130 KYCU-5 WY
2201 X Mexico	1300 X2 Mexico	2228 KID-3 ID
2215 XEFE-2 Tams		18 Es 0800 WP ET-2 FL
11 Es 0859 ICR-5 Cuba	1529 KTVQ-2 MT	0845 ICR-2 Cuba
(Santa Clara; t.p.	15 Es 1914 WESH-2 FL	(Havanna)
& tone, grade A)	1929 WPTV-5 FL	20 Bs 1959 KPRC-2 TX
0900 WPTV-5 FL	WPRT-2 FL	2059 KTVQ-2 MT
WPBT-2 FL	18 Tr 0800 WKBD-50 MI	2159 KRTV-3 MT
0910 ICR-2 Cube	WTVS-56 MI	
(Havanna)	#1.42~20 WI	2200 KWGN-2 CO
ICR-3 Cuba	Tum = 2000	2230 X2 Mexico
(Santa Clara)	June 1982	22 Es 0830 XEFB-3 NL
12 Es 1129 XEFE-2 NL	14 Es 0825 ICR-2 Cuba	0859 KENS-5 TX
	(Havanna	1858 WPBT-2 FL
XEFB-3 NL	16 Tr 2100 WWMA-17 MI	
1215 KGBT-4 TX	Grand Rapids	

"The E-skip season go off to a bang but recently has really slowed up. The openings have been relatively short (timewise). It seems everytime that the Cubans have been in that they have been booming in during test pattern time with super clear pictures. The disgusting trend of the tv stations going to 24 hour broadcasting will soon be upon us. I note that Milwaukee 4, 6, & 12 will start 24 hour on July 5 - - probably many others to follow." (I hope your wrong but I guess it's inevitable-wd)

Steve Sprachman: 3939 Eve Drive, Seaford, NY 11783 EDT?

**The DX in the month of June can best be called a success. Six new stations were received. The month started off slow due to the wet weather. Compared to what it was before I went on my trip, I thought the season had fizzled out. Es was finally seen on June 7th and for the next two weeks DX conditions were extreme.

strong.

Days with trop: May 27,28 June 3,4,9,11,12,16,21,22. Days with Es: June 7,8,

13,14,15,19,23.

Highlights: (Underlined are new)- June 7 Rs 1830-2100 KGAN-2 IA, KIMT-3 IA, KTW0-3 MO, KMTV-3 NE, KOET-3 OK, WITI-6 WI, KAAL-6 MN, WOC-6 IA; June 8 Rs 1830 KDHH-3 MN, CHWFT-3 MB, June 9 Tr 0700-0900 - UHF from Norfolk, VA and Washington, DC to Boston, MA including WHMM-32 and WCQR-50 (with a test pattern); 1800-2000 more of the same. June 15 Es 1930-2000 - WLHT-3 tent., WHRC -6, Birmingham, AL (I.D. seen). June 23 Rs 2100- KTVO-3; near perfect.

The totals at this point are VHF 70, UHF 8^{h} , total 15%. States 30, Provinces 2. Slowly I'm getting some where.

There's no local TV news this month. The New York Times had articles on the 40's lifting of restrictions for STV and on direct satilite to home TV proguing. It seems that the FCC is working for the big bucks and not the

peor viewer.

I am finally going to attend a WTFDA convention. In the 7 years I've been a member, the convention is finally in a convenient location for me. I'm glad that I have a chance to meet my fellow DXers.

And finally, there are two things for the strange oddities department. The first is WTVE-51 Reading, PA. Do they have programming in the evenings after 8 p.m. or are they STV? All my sources (TV Guide, TV Time and Channel and TV Host - the last two being local Pennsylwania TV magazines) do not have listing for WTVE-51 after the 7 p.m. listing. Oddity #2- It seems I sent 3 members TV Guides from my trip to Arizona. It's been over a month and I haven't heard any thing from them. (Hopefully, when they read this another couple of months will pass and they'll really feel guilty!). Well, that's it for this month."

Steve West: 432 Kenmore Rd	Havertown, PA 19083 ES	ST & EDT
March 1982	May 1982	June 1982
24 Tr 2300 Boston U's(260)	15 Es 2000 WMT-2 IA t	8 Es 1800 KDIX-2 ND 1460
25 Tr 0830 " " "	KJAC-4 TX t	1900 CBWT-2 MB relay of
WUNJ-39 NC 425	18 Tr 0530 Boston, 25,	CBWT-6. (Must be a a new station; no CBWT relays listed
	38 & 56.	a new station; no
April 1982	19 Tr 0615 WLFL-22 NC t	CBWT relays listed
20 Tr 0300 boston u's 200		for ch.2-wd)
WTXX-20 CT	June 1982	10 Es 1700 WSIX-2 TN t
Mars 3000	6 Es 1800 Undid-2	(now WNGE-wd.)
May 1982	7 Es 1200 Cuba-5	11 Tr 2200 WUNK-25, WUNJ-39
3 Tr 2330 WUNK-25 NC 325	1230 WTHS-2 FL	12 Tr 1020 WLFL-22 Raleigh
7 IF 2300 Ediston U.S 200	1300 MMT-4 TW	2200 WSEK-38, WITN-7 13 Es 1100 Cuba-5, 1300 WUFT
12 Re 1930 Unideds on 2 &	KARK-F AB	2330 WWL-4 LA
4 from Ont.	KFRM_5 AR	15 Es 2030 Undid-2: TN
15 Rs 1800 WPRT-2 FT.	1700 WDA F-4 MO	2105 KARK-4 AR
7 Tr 2300 Boston U's 260 NC on FM. 12 Es 1930 Unideds on 2 & + from Ont. 15 Es 1800 WPHT-2 FL WTVJ-1 FL	8 Es 1000 WWL-4 LA	17 Es 2000 WBRZ-2, KJAC-4
1900 Cuba-5 in B&W	1400 Kansas area.	22 Es 1100 Cuba-5
		26 Es 1100 KETS-2 AR
		27 Tr Oh15 WPTF-28, WLFL-22
#Inna ie chaning un very we	ll for ekin and trone F	ielf the ekin hee hoen up to

"June is shaping up very well for skip and trops. Half the skip has been up to the FM band. Some skip up to 107.9. WSMP-100.3 Stereo Studio in SW Philadelphia is still on (about 10 watts) with R&B. They claim they're licensed by the FCC to cable radio but transmit over air.

There was a small earthquake during the spring (2.5) but Havertown is still located in PA. April VUD page 20 has it down it MD. *(Sorry for the boo-boo-wd)

Harry Hayes: 9 Henry St.	Wilkes Berre, PA 19702 EDT
May 1982	June 1982 June 1982
6 Es 1700 Ch.2, weak	3 Es 2014 WBRZ-2 LA 13 Es 2100-2310 Unideds to
7 Es 2025 KPRC-2 TX	2028 WDIQ-2 AL channel 6.
11 Es 2000 KETS-2 AR	6 Es 1830 CBWFT-3 MB 14 Es 0630-0730 Unideds ch.2
2013 KARK-1+ AR	WDAY-6 ND 15 Es 1858 KARK-4 AR
13 Es 2028 WP BT-2 FL	7 Es Super intense 1900 WESH-2 FL
15 Es 1759 KJAC-4 TX	from 1630-2030. 1908 KJAC-+ TX
1900 KATC-3 LA	1956 WBBM-2 IL 1957 WTVY-4 AL
1905 WERZ-2 LA	Chicago 2100 KQTV-2 MO
1950 KFDM-6 TX	8 Es 1800 KUSD-2 SD 17 Es 1929 WP HT-2 FL
16 Es 1325 KOCO-5 OK	KTCA-2 MN 21 Es 2000-2045 Unideds; Mar-
(storm warnings)	1805 WCCO-4 MN itimes.
1515 KTBS-3 LA	1901 KXJB-4 ND 26 Es 0930 WLBT-3 MS
24 Es 1842 KCKT-2 KS	1905 CBWFT-3 MB 1000 WWL-4 LA (FF NYCast) WDSU-6 LA
1858 KARD-3 KS 31 Es 1230 WESH-2 FL	\11 1/14 1/14 1/14 1/14 1/14 1/14 1/14 1
1241 WCIX-6 FL	
1330 WWL-4 LA	Kenora (CHW I.D.) "Things got going this season
1600 WGAM-2???	
unknown; CBS.	
1630 WEDU-3 FL	
1000 ABDO-3 FE	2100 KARK-4 AR May (dead CX in late may) turned into a pretty good
	turned into season since

season so far. Not on the par of the mid seventies but the best season since 1977. I was happy to get WBEM, the first thing ever on VHF from the Chicago area on any mode.

Equipment: Wilkes-Barre - RCA XL-100 TV, Winegard 2-6 ant. indoors aimed atraight up to eliminate cable. Thornhurst: B&W RCA 1966 w/ch.2 quad, FM

Eastern TV-DX	August 1982	Kastern TV-DX		Rogers; continued	August 1982
Richard Reese: 421 Marion St., Jersey Shore, PA 17740 EDT May 1982 June 1982 June 1982		May 1982 24 Es 2203 KTVC-6 KS 103	June 1 4 5 Es 1	332 KNOP-2 NB 1180 7 Es	1982 1843 CHRO-5 ON 1156
1218 WTVJ-4 FL " 1230 KATC-3 LA 3135	7,9,11&13 from	2204 KCKT-2 KS 98 2205 KSNB-4 NE 100	0 1	340 KDUH-4 NE 1339 345 KWCN-2 CO 1317	1845 CHFD-4 ON 1348 1846 CJPM-6 PQ 1400
KJAC_L TY 1235 17 ES 1039 1	WESH-2 FL 885 WDIQ-2 AL W	KHAS-5 NE 10' 2206 KWNB-6 NE 11		349 KOA-4 CO * 910 XHAO-4 CH 1450	1850 CFCM-4 PQ 1246 1902 CHAU-5 PQ 1400
1330 WEAR-3 FL 930 1458 KJRH-2 OK 1060 1939 V	WEAR-3 FL 950 WIVY-4 AL 840	25 Es 1103 KGAN-2 IA 712 1118 KTCA-2 MN 100		115 XHRIO-2 TM 1245 427 XEW-2 DF 1850	1920 WBEM-2 IL 599 1923 WBAY-2 WI 799
WRBL-3 GA 755 1829 KXJB-4 ND 1095 2028 1	PRT-2 FL 1100	1120 KUSD-2 SD 112 1141 KNOP-2 NE 118	2 1	754 KWGN-2 CO 1317 755 KOA-4 CO "	1930 KTCA-2 MN 1008 1932 WPTV-5 FL 709
1510 TR-4 Cuba 1400 Winnipeg 2201 V	WKRG-5 AL 965	1309 KWCN-2 CO 131° 1310 KOA -4 CO	7 ī	756 KOAA-5 CO 1259 758 KNMR-5 NM 1320	1940 TR-5 Cuba 900 2015 WCCO-4 MN 1008
161h WPMV 5 FT 1035 1829 KGFE-2 ND 1095 0930 1	WINH-8 CT 230 WHSV-3 VA "	2200 XHRTO-2 TM 12	+5 î	802 KWAB-4 TX 1083	2017 KBJR-6 MN 1163
1625 WCIX-6 FL 1100 1900 Unided CHW re- 1900 V	MBSH-2 FL 885 MP HT-2 FL 1100	2202 KGBT-4 TX 125 26 Es 1320 ICR-2-2 84	5	100 XEPM-2 CH 1430 KDBC-4 TX 1425	2035 KPRC-2 TX 784 2045 KRGV-5 TX 1250
June 1982 1977 CHART - AR 1160 1959 N	MEDU-3 FL 985 MDI Q -2 AL 885	2035 KWGN-2 CO 131 27 Es 1102 KMID-2 TX 112	3 2	102 XEJ-5 CH 1430 110 KMID-2 TX 1123	2051 KUSD-2 8D 1120 2057 KJRH-2 OK 712
1 Es 2009 WEDU-3 FL 900 10 Es 1658 KDFW-4 TX 1240 2005-2	2100 Unideds 18.2-4; Spanish	1115 XEPM-2 CH 143 1410 XEW-2 DF 185		115 WMCT-5 TN 322 120 WJSP-28 GA 208	2108 KCKT-2 KS 984 2110 KQTV-2 MO 800
1710 CHT-3 NS 700 20 Es 0706 I	PRC-2 TX 1305 PRT-2 FL 1100	28 Es 1117 XHAO-4 CH 145)	217 WTVW-7 IN 270 8 Es 305 WBBJ-7 TN 260	
KATC-3 LA 1135 1729 WEAR-3 FL 950 0859 V	NTVJ-4 FL " NABG-6 MS 890	31 Es 1319 WLEZ-2 ME 118 1320 WGBH-2 MA 995	B 2	310 KTEJ-19 AR 335 Jonesboro	KOA-4 CO 1317 1045 KUSD-2 SD 1120
7 Es 1003 ICR-6-3 1330 1735 WN GE-2 TN 630 1149 I	KIII-3 TX I490	1327 WCBS-2 NY 750 1339 WN.BC-4 NY		808 WWL-4 LA 480	1048 KPRY-4 SD 1330
1058 ICR-6-6 " 1534 WIVJ-4 FL " 21 Es 2015 F	CFDX-3 TX 1285 CQTV-2 MO 985	1420 WFSB-3 CT 860		0809 WKRG-5 AL 385 0810 KATV-7 AR 459	1050 KWGN-2 CO 1317 1051 KXON-5 SD 1160
1129 WPBT-2 FL 1100 CMO-6 Cube 1325 2059 H	(SNB-4 NE 1115 (MTV-3 NE 985	(over WRCB) 1424 WCVB-5 MA 995		WDAM-7 MS 382 811 WVUE-8 LA 480	1100 KPRC-2 TX 784 1303 KDIX-2 ND 1572
1230 WTHS-2 FL 1100 1300 WEDU-3 FL 985 1228 F	CPRC-2 TX 1305 CBTX-3 TX "	1430 WPTZ-5 NY 106 1440 CBFT-2 PQ 108	ģ č	0812 WALA-10 AL 385 0815 WSRE-23 FL 390	1309 KGAN-2 IA 712 1310 KTCA-2 MN 1008
1305 TR-2 Cuba 1301 WESH-2 FL 885 1229 F	(FDX-3 TX 1280 (OET-3 OK 1090	CFCM-4 PQ 124 1445 WBZ-4 MA 995	6	Pensacola 055 WPMI-15 AL 385	1325 WCCO-4 MN " 1330 WTOM-4 MI 888
1358 WRBL-3 GA 750 2057 KARK-4 AR 950 1259 V	MAB-2 MS 865 (JAC-4 TX 1240	June 1982		Mobile .057 WMAV-18 MS 273	1346 CKPR-2 ON 1348 1347 CKCY-2 ON 1005
1558 KARK-4 AR 950 WREG-3 TN 820 1331 F	CYTV-3 MO 910 CQTV-2 MO 935	1 Es 0835 KMID-2 TX 1123 1057 XEPM-2 CH 1430		0xford 100 WOWL-15 AL 177	1350 CICI-5 ON 1238
WREG-3 TN 820 WWL-4 LA 1075 23 Es 1630 (CJCB-4 NS	2 Tr 0810 WTTO-21 AL 145 WGXA-24 GA 198	3	105 WMAH-19 MS 464	1400 CFCL-6 ON 1336
1630 WLHT-3 MS 960 2301 KTVO-3 MO 800 2057 V	(JRH-2 OK 1080 VBTV-3 NC 470	0811 WLTZ-38 GA 224	3	110 WBMG-42 AL 145 115 WDHN-18 AL 317	CFCL-2-2 * 1330 CHFD-4 ON 1348
1800 WABC-6 MS 890 WTVY-4 AL 840 2059 H	VDIQ-2 AL 885 CTVI-2 MO 725	WCWB-41 GA198 0812 WEMG-42 AL 145		.120 WMAA-29 MS 389 9 Es L125 WMAB-2 MS 250	1500 XHRPM-2 CH 1450 1507 XHAO-4 CH "
	(ATC-3 LA 1135	0830 WSLA-8 AL 225 0910 KATV-7 AR 459		130 WTVY-4 AL 317 10 E	s 0953 XHRPM-2 CH " 0955 XHAO-4 CH "
2029 <u>KRIS-6 TX 1490</u> 2326 KTVI-2 MO 725 1859 W	(JAC-4 TX 1240 MAB-2 MS 865	1100 WETV-30 GA 113 1120 WKPT-19 TN 206]	1140 KETS-2 AR 459 1323 KAMR-4 TX 1036	1105 TR-2 Cuba 900 1305 KPRC-2 TX 784
Corpus Christi 2330 KQTV-2 MO 935 26 Es 0859 W	WL-4 LA 1075 NESH-2 FL 885	Es 1328 WLBZ-2 ME 118 1916 TR-5-5 Cuba 90	8]	325 KTXT-5 TX 1116 1453 WCBS-2 NY 750	1310 KMOL-4 TX 981 1315 KENS-5 TX "
8 Es 0951 KFDX-3 TX 1280 14 Rs 0000 WEDU-3 FL 985 0920 W	WHZ-2 LA 1095 (ATC-2 LA 1135	1917 ICR-2-2 * 845 1924 TR-4-4 Cuba 89]	1454 WGBH-2 MA 995 1456 WNBC-4 NY 750	1358 KMID-2 TX 1123
1047 WERZ-2 LA 1045 0030 WESH-2 FL 885 0959 W	IKRG-5 AL 965 IRBL-3 GA 750	Camaguey		1500 WBZ-4 MA 995	1700 CKCY-2 ON 1005 1706 WGEH-2 MA 995
1059 WTVY-4 AL 840 15 Ms 1200 XXPM-2 CH 1760 1030 V	BAR-3 FL 950	1927 WTVJ-4 FL 776 1930 WPBT-2 FL		1510 WCSH-6 MB 1056	1709 WLBZ-2 ME 1188 1712 WCBS-2 NY 750
1152 WTVJ-4 FL 1100 (I.D. slide had both 1058 w	ISB-2 GA 660 IDSU-6 LA 1075	1940 WPTV-5 FL 709 ICR-6-6 840		L533 CBFT-2 PQ 1086 L534 WLBZ-2 ME 1188	1727 WKTV-2 NY 940 1729 CKRN-4 PQ 1263
(unable to read last word-wd)	ABG-6 MS 890	2010 XHAO-4 CH 1450 XHGE-5 CA 1430		1543 CHSJ-4 NB 1378 1602 WABI-5 MB 1188	1731 CBFT-2 PQ 1086 1745 WPTZ-5 NY 1065
"Quite a bit of Es activity noted here in June. I just wish I kn tity of the spanish speakers on the 19th. Tentatives include XEP	M-2 WKAG-2	2102 XHRIO-2 TM 124 2110 XHAJ-5 VR 1375	5	1640 WGR-2 NY 794 1650 CKCO-2-2 01 1023	1750 CFCM-4 PQ 1246 1805 KTCA-2 MN 1008
Color Vision (from the Dominican Republic) on ch.2. The 7th was tense Es here with 4 hours of solid FM Es to the top. I suspect	it reached	2118 XHGV-4 JL 1750 2130 KMID-2 TX 1123	•	1705 WIVB-4 NY 794 1708 WIVH-5 NY 995	1806 KGFE-2 ND 1359 1810 WCCO-4 MN 1008
highband someplace. 73's and may there be continuous Es and 800 m through July." (I'm for that-wd)	i. Tr all	2222 XEFE-2 TM 1100 3 Bs 1138 XEPM-2 CH 1430		1745 CKCY-2 ON 1005	1815 KSTP-5 MN "
George Rogers; 320 Lafayette Rd., Chickamauga, GA 30707 EDT		1140 KDBC-4 TX 1425 1500 TR-2-2 Cuba 900		1801 CFCL-2-2 1300 1802 CICI-5 ON 1238	1817 KXJB-4 ND 1359 1825 KGAN-2 IA 712
Here is my report for Eastern TV-DX. As you can see I have been with TV DXing. I have had Es on TV for 22 days in a row and 25 o	real busy	5 Rs 1036 XHD-4 TM 1350		Sudbury(exCKSO) 1803 CKNY-6 ON 1226	1850 KFYR-5 ND 1472 1855 KXON-5 SD 1160
in June. (Send some of it up herewd) Equipment: RCA 12" porta	ble, model	1041 KPRC-2 TX 784 1054 KGET-4 TX 1250		(was on ch.10) 1805 CKPR-2 ON 1348	1905 KPRY-4 SD 1330 1915 KPLO-6 SD 1350
AFR-246-W. All times EDT. (George, perhaps next month you could antenna setup and preamps you use. I'm sure some DXers are dyin	g to know	1152 KMID-2 TX 1123 1200 XXPM-2 CH 1430	;	1806 CHLT-5 ON 898 1810 CKRN-4 PQ 1320	1920 KTIV-4 IA 1095 1939 KIVV-5 SD 1445
more about this part of your setup.wd)		1225 KDBC-4 TX 1425		1815 CEOT-4 ON 1246	1942 KUSD-2 SD 1120 1950 CKTV-2 SK 143
42		1330 KWAE - TX 1083	•	1825 WIOM-4 MI 888	2//0 UM 132 UM 143

Eastel	n TV-	-DX		G Ju	eor,	ge Ro	gers;	cont	inued	June	1982	August 1982 KXAS-5 TX 821 KEPM-2 CH 1430 KDBC-4 TX 1425 WESH-2 FL 535 WP BT-2 FL 776 WIPM-3 PR 1770 Mayaguez (local WRCB off) WEDU-3 FL 574 WTVJ-4 FL 776 WCIX-6 FL KUSD-2 SD 1120 WGEH-2 MA 995 WCBS-2 NY 750 WLEZ-2 ME 1188 WCVB-5 MA 995 ICR-2-2 845 WLEZ-2 ME 1188 WCVB-5 MA 1375 CHSJ-4 NB 1375 KYCU-5 WY 1365 XHAO-4 CH 1450 XHEPM-2 CH 1450 XHAO-4 CH KWCN-2 NJ 1574 KNOP-2 NZ 1574 K	
10 Es	2000	KYCU-5 W	IY 136	9 15	Es	2019	WCSH-	6 MB	1056	22 E	s 0856	KXAS-5 TX 821	
11 Tr	0805	KARK-4	R 459	,		2025	WINE-	6 MA	930		0915	XEPM-2 CH 1430	
	,	Little E	ock	16	Tr	0910	WATU-	26 G	263		0920	KDBC-4 TX 1425	
	0807	KATV-7	R #	17	Es	1256	KMOL-	4 TX	981		1050	WESH-2 FL 535	
	081.0	KTHV-11	AR M	-•		1300	KMID-	2 TX	1123		1051	WPBT-2 FL 776	
	0915	KETS-2	R #			1330	XEP M-	2 CH	1430		1052	WIPM-3 PR 1770	
	1050	KETG-9	JR 513			1340	KDBC-	4 TX	1425			Mayaguez	
		Arkadeln	hia			1345	XELN-	4 CO	1503			(local WRCB off)	
	1105	WKNO-10	TN 32	2		1602	KNOP -	2 NR	1180		1054	WEDU-3 FL 574	
	1107	WTWV-9 M	S 275	_		1617	KUSD-	2 SD	1120		1057	WIVJ-4 FL 776	
	,	(now WTV	A-wa)			1620	KTIV-	4 IA	1095		1100	WCIX-6 FL "	
Bs	1305	KACB-3 I	X 104	6		1633	KDLO-	3 SD	1285		1144	KUSD-2 SD 1120	
	2005	WJXT-4 F	L 465	-		1914	KDIX-	Ž ND	1572		1527	WGBH-2 MA 995	
Tr	2132	WBBJ7 I	N 260			1955	KCFE-	2 ND	1359		1529	WCBS-2 NY 750	
	21.35	WKS0-29	KY 16	0		1957	WP BT-	2 FL	776		1540	WLBZ-2 MB 1188	
12 Es	1412	XHRPM-2	CH 14	50		2005	CKX-5	MB	1515		1542	WCVB-5 MA 995	
	1416	XHAO-4	CH	H		2015	KFYR-	5 ND	1472	23. E	s 1245	ICR-2-2 845	
13 Es	1112	KMID-2 T	X 112	3		2017	KXJB-	4 N.D	1339		1915	WLBZ-2 MB 1188	
2Es	1424	KATU-2 0	R 255	ĭ		2023	KIVV-	5 SD	1445		1917	CKCW-2 NB 1375	
		Portland		-		2145	KWGN-	2 CO	1317		1920	CHSJ-4 NB 1378	
	(ABC	This Wee	k. 2h	r		21.55	KSRE-	6 ND	1543		1931	KYCU-5 WY 1365	
	del	yed)	-,	18	Es	0831	KGBT-	4 TX	1245		1939	XHAO-4 CH 1450	
	1427	KNOP-2 N	B 118	0		0833	XHAO-	4 CH	1450		1940	XHGE-5 CA 1430	
	2102	KDIX-2 N	D 157	2		0912	KRGV-	5 TX	1250		1955	XHRPM-2 CH 1450	
	2103	CHFD-4 O	N 134	8		0915	KPRC-	2 TX	784		2025	WGBH-2 MA 995	
	2105	CICI-5 0	N 128	3		0931	XHCE-	5 CA	1430		2030	WCBS-2 NY 750	
	2124	WFRV-5	799	_		0934	KMOL-	4 TX	981		2053	MNBC-1+ NY "	
	2125	WTOM-4 M	ī 888			1105	KMID-	2 TX	1123		2056	WNEW-5 NY *	
	2127	WBAY-2 W	I 799			1800	XHRPM	-2 CI	1 1450	0	2059	WLNE-6 MA 935	
	2155	KTCA-2 M	n ióó	8		1827	KOAA-	5 CO	1259		2105	WCVB-5 MA 995	
L4 Es	0820	WLBZ-2 M	E 118	8		1830	KWGN-	2 CO	1317		2107	WBZ-4 MA *	
	0832	CJERT-3	PO 14	17		1833	KCKT-	2 KS	984		2135	CBFT-2 PQ 1086	
		(was CJE	R.)	•		1839	KOA-4	CO	1317	24 E	1339	XHRPM-2 CH 1450	
	1045	TR-5 Cub	900			1841	KRMA-	6 CO	12		1340	XHAO-4 CH "	
	1047	WPBT-2 F	L 776			1847	XHZ-3	QE	1500	25 E	1258	KWGN-2 CO 1317	
	1048	WTVJ-4 F	ר. 'א'			1900	KNOP-	2 NE	1180		1315	KDIX-2 ND 1572	
	1100	WESH-2 F	<u>ี</u> 535			1907	KDUH-	4 NE	1338		1355	KTWO-2 WY 1574	
	1105	ICR-4-4	- 84ó			1945	KNOP -	2 NE	1180		1359	KNOP-2 NE 1180	
	1304	KGBT-+ T	X 124	5			XBW-2	DF:	L850		1410	KDUH-4 NE 1338	
	1307	XHD-4 T	M 135	Ó		2232	KAMR-	4 TX	1036		1500	KOA-4 CO 1317	
	1330	XHGE-5 C	▲ 1 43/	o 19	Es	1125	KWCN-	2 00	1317		1535	KOAA-5 CO 1259	
	1332	XHGV-4 J	L 175	O		2012	KFYR-	5 ND	1472		1705	KPRC-2 TX 784	
	1340	KRGV-5 T	X 125)		2027	KDIX-	2 ND	1542		2141	XHR10-2 TM 1245	
	1516	XHRPM-2	CH 14	50		2030	KTWO-	2 WY	15/4		2157	KGBT-4 TX 1250	
	1820	XHZ-5 OF	1500			2105	KDUH-	4 NE	1338		2200	KM1D-2 TX 1123	
		El Zamor	ano			2115	KOA-4	CO :	1317	o(n	2202	KRGV-5 TX 1250	
	1840	XHGC-5 D	F 185)		2135	KCKT-	5 KS	904	20 E	, 0233	WGN-5 CO 1317	
	1850	XEM-5 D	F #			5140	MAA-	2 00	7523		0934	NUAA-5 UO 1259	
L5 Es	1655	KTWO-2 W	¥ 157	+	тэ	2143	VMOX-	2 ME	TT00		1010	MCDG O MA GCO	
	1656	KNOP-2 N	E 118	20	ES	1220	ARIM-	~ V.K	7.400		1030 TOTO	#UDD~Z NY 750	
	1659	KDUH-+ N	Ľ 133	5		1320	TOW-S	~_∠ 	777		1038	WUDDN O OTT THE	
	1703	KWGN-2 C	ō 13 <u>1</u>	7		T+30	K V MD	L TA	1026		1130	WR7_L MA OOF	
	1720	KFYR-5 N	D 147.	2		1507	V BUA	TA TA	TOZO		11.20	WCVD_K MA #	
	1735	WOWT-6 N	E 987	_		구당상	KMGN VLDY-	2 17	710		1135	CRCI_6 ON 1224	
	1740	KTIV-+ I	A 109	2		1525	VEGET	~ W	1)1/		1127	WI DZ 2 Mm 17 00	
	1745	KPLO-6 S	D 135)		+555	ACKED	2 20	08).		1150	MCGR Y MB 100	
	1805	KXON-5 S	ก็ทั่ง	U		1600	KCKT-	Z 147	1260		1 200	MARA-E ME MAN	
	1810	WOI-5 IA	_ 866	_		TOOO	KYCU-	J WI	1767		1205	WNEM-5 MI 714	
	1820	WDAY-6 N	D 128	3		2010	KDLH-	אות כי	1075		1210	WJIM-6 MI 703	
				-									
		KUSD-2 S					KARD-					CKCY-2 ON 1005	
	1835	KPRY-4 S	D 133	0		2020	KT WD-	שמו כ	1122		1225	KUSD-2 SD 1120	
	1905	KOA-4 CO	131	7		2027	KLNE-	בוא כ. קואו ל.	287		1240	KSTP-5 MN 1008	
	1910	KOAA-5 C	0 125	9			KMTV-				1255	KBJR-6 MN 1163	
	1932	WBZ-4 M	▲ 995			رريح	KIMT-	مَنْ دُر	900		エピフフ	WFRV-5 WI 799	
	1.934	CKCY-2 0	N 100	5		2034	KUSD-	2 SD	1120		1220	KXJB-4 ND 1338	
	1935	CICI-5 0	N 123	В		2035	KXON-	SD SD	7700			CKPR-2 ON 1348	
	2000	WCVB-5 M	A 995				KTIV-				±335	CHNB-4 ON 1126	
						2110	KOAA-	5 CO	1259		1338	CJIC-5 ON 1005	
				5 07	77 ~	つしずつ	VCAN_	2 TA	771 7		1 4447	KI:MR_O NID 3050	
					E-S	2072	Tr desire.	-C 1A	112		23,00	KGFE-2 ND 1359	
4.		WPTZ-5 N WLBZ-2 M WCBS-2 N			Es	0855	KMID-	2 TX	1123		1342	CHFD-4 ON 1348	

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August 1982
Restern TV-DX
                        George Rogers; continued ---
                                                        June 1982
                           June 1982
      1347 CICI-5 ON 1238 26 Es 1400 CBWT-2-4 MB 1380 27 Tz 1100 WCFT-33 AL
     1357 CKX-5 MB 1515 27 Tr 0135 WJTV-12 MS 385 Jackson
                                                                            203
                                                              1130 WCBI-4 MS 263
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Top 10 Es TV stations for 1982 as of June 27: 1-KMID-2, 2-KWGN-2, 3-KUSD-2. 1-23 times, 2-22, 3-5 12times, 6&7 11 times, 8-11times, 9&10 10 times.

At the halfway point of the DX season it looks like a dogfight between KMID-2 and KWGN-2 for the number one spot on my Es hit parade. My run of 22 days in a row with Es on TV ties the record set by Pat Dyer of San Antonio, TX set in 1980. You see if any TV DXer had a run of more than 22 days of TV is in a row and let me know. (Follow the results in the VUD, it's all there.-wd). Total stations to date 548. I hope for hi-band Es (don't we all-wd) or Ms later on this season. Remember, in 1982 DX will come thru!

William J. Draeb; Ellis St. R.R.#2, Kewaunee, WI 54216 CDT I received a number of late reports and they will be in the VUD next month. One report from Robert Ross postmarked June 29 didn't get here until July 8. They must have sent it by dog sled. hi! I recall one report received from one of the east coast DXers I received with a San Francisco postmark. It got here by the 1st of the month but I keep wondering why it had to go way to the west coast first. No wonder the post office dept. is going broke.

coast ilist. No wonder the post office dept. Is going bron	
Tune 1982 June 1982 June 1988	2
E Re 1120 KMTD 2 TV 1176 9 Tr 0708 WKBN-27 OH 420 15 Es 19	-Fi κοτν⊸6 οκ t
6 Tr 0727 W64 MT 90 2040 WR4Y-2 off 19	H KDFW-4 TX t
Peggaba (TSDN) but no Re. 19	+9 KENW-3 NM t
W62 MT 00 10 Rs 1850 KORT 0K 786 19	59 KLNE-3 NE 669
Francisco (MCN) KMID-2 TY +	KOA-4 CO 952
TE 1010 VDDC h WY 1250 KYAC K TY 4	KMGN-5 CO ii
TENTO THE TOTAL TO THE TY HE TO THE TENTO THE	KRMA-6 CO "
TOO VERM O OF A KEIN-T IN + 20	02 KTVS-3 CO 837
1/20 ARPM-2 OR t	20 KTVX-4 UT
TAND IN TAX OUT KNOT IN TO A TO A	KUTV-2 UT t
1931 KBML 3 AM 1150 1859 KCBM 6 TY 1075 20	27 KSNB-4 NE t
m- 0105 MMM 25 VV 100 WCRD-2 SC 016 20	+3 KOTA-3 SD 226
TE 2105 WATER 35 AT 459 WOLLY SC # 20	+8 KYTIS→3 MT t
WV01=22 IN TO WCSC_5 SC # 22	14 KDUH-4 NE 262
MOST IN THE TOP 1928 WENT FT 1192	(KOTA I.D.)
Write-14 IN 420 1720 WDAC-67 OH 395	KTWD-2 WY 947
2118 WARD 18 AT + W67AT MT 2L2 22	22 KIVV-5 SD t
June 1982 5 Es 1130 KMID-2 TX 1176 6 Tr 0737 W66-MI 90 Escanaba (ESPN) W62-MI 90 Escanaba (WGN) KS 1710 KDEC-4 TX 1350 KENW-3 NM 1103 KDFW-4 TX t KMID-2 TX 1176 1731 KARR-4 TX 991 1831 KRTV-3 MT 1159 1831 KRTV-3 MT 1159 Tr 2105 WKMA-35 KY 499 WUUT-22 IN 405 WUSI-16 IL 402 WFIE-14 IN 420 WFIE-14 IN 420 WFIE-14 IN 420 WFIE-14 IN 420 WEHT-25 IN " 11 Tr 0703 WOAC-67 OH 395 2118 WAFF-48 AL t 2128 W68AA IL 300 WKMU-21 KY t 13 Tr 0645 WEIL-64 OH 400 17 Es 16	1902 WUTV-29 NY 445
WWW. 21 KV + 13 Tr 0645 WRT-64 OH 400 17 Es 1	300 KUTV-2 UT 1264
KI AA - Th. TA + WCET - 48 OH "	KTVX-1+ UT "
WKOH-21 KV + Es 2000 WESH-2 FL 1130 1	900 WESH-2 FL t
7 Fo 1615 WESH-2 FT 1120 WSAV-3 GA 933	WSAV-3 GA t
WENT 3 FT. 1192 WJXT-4 FL 1039 1	912 KOET-3 OK 786
WIYT-4 FT. 1039 2031 WDBO-6 FL 1164	KJRH-2 OK t
WILT-5 FL 1071 WUFT-5 FL t 1	928 KAMR-4 TX 991
WDRO-6 FL t 2055 WEDU-3 FL 1192 1	929 KENW-3 NM 1103
1731 WSB-2 GA 768 212+ WCIX-6 FL 1372 1	9 31 K AVE- 6 NM 1228
WAGA-5 GA " 2138 WCBD-2 SC 916	(KVIA-7 I.D.)
1900 WEAR-3 FL 986 14 Es 0816 " " " 1	952 KNME-5 NM t
WKRG-5 AL 967 0838 WSAV-3 GA 933 20	005 KWGN-2 CO 952
WWL-4 LA 1028 15 Es 1615 KATC-3 LA 1026	030 WESH-2 FL 1130
1908 WDSU-6 LA t KJAC-4 TX 1080 2	130 KOA-4 CO 952
1917 WLET-3 MS 865 WDSU-6 LA t 2	134 KFDX-3 TX 945
8 Es 1159 WESH-2 FL 1130 1659 WWL-4 LA 1028 2	144 KAUZ-6 TX "
WEDU-3 FL 1192 KPRC-2 TX 1118 2	229 KCKT-2 KS 722
WJXT-4 FL 1039 WERZ-2 LA t 2	248 KDFW-4 TX 957
1220 WKRG-5 AL 967 KFDM-6 TX t	KXAS-5 TX 972
1230 WEAR-3 FL 986 1722 KAVE-6 NM t 2	259 KTVS-3 CO 837
1233 WSAV-3 GA 933 1726 KTAL-6 LA 910 2.	303 KRMA-6 CO 957
WUFT-5 FL 1071 1730 KTBS-3 LA "	MLNE-3 NE 669
1928 CHHT-3 NS t 1915 KMID-2 TX t 18 Ks 2	LUO WHRZ-2 LA t
9 Tr 0635 WYTV-33 OH 420 1926 KTVY-4 OK 820 2	LUO WWL-4 LA t
WOAC-67 OH 395 KAMR-4 TX 991	LL3 WEDU-3 FL t
WUTV-29 NY 445 KFDX-3 TX 945 19 ES 20	JOU APRC-2 TX 1118
0703 WPTT-22 PA 480 KARD-3 KS t	ABIA-3 TA 1079
2118 WAFF-W8 AL t 2128 W68AA IL 300 WKMU-21 KY t 13 Tr 06+5 WKMU-21 KY t 13 Tr 06+5 WKMU-21 KY t Es 2000 WESH-2 FL 1130 WESH-2 FL 1130 WESH-2 FL 1130 WESH-2 FL 1039 WUFT-5 FL 1071 WDED-6 FL t 2055 WEDU-3 FL 1192 1731 WSB-2 GA 768 1900 WEAR-3 FL 986 1900 WEAR-3 FL 986 1917 WLET-3 MS 865 8 Es 1159 WESH-2 FL 1130 WKRG-5 AL 967 WWL-4 LA 1028 15 Es 1615 WESH-2 FL 1130 WESH-2 FL 1130 WKRG-5 AL 967 WEDU-3 FL 1192 WIFT-5 FL 1071 WEDU-3 FL 1192 WIFT-5 FL 1071 WEDU-3 FL 1192 WEDU-5 FL 10071 WEDU-6 FL 1 1130 WEDU-6 FL 1 1130 WEDU-6 FL 1 1130 WEDU-6 FL 1 1192 WIFT-	HEAT MOUTHIN-AG. VE
	73

WESTERN TV-DX

Fred McCormack Box 5221 State University Sta. Fargo, ND 58105

Deadline: 9-4-82

Lots of DX this time with the return of the Es season and some super tropo in the southwest.

New Mode

Unidentified - unid

Ne			Mode										
Jim Piz	ZI, P.O. 2 830 KGFE 832 D-FW 33,33 800 KWEX 802 Austi 24,36 032 unids 056 KTEC 303 KTEJt 0040 KVEX 802 Austi 1038 KTEV 1103 KVIL 1103 KETS 130 WDIQ 1103 KETS 130 WDIQ 1148 unid 103 KETS 130 WDIQ 1148 unid 846 KGFE 6635 unids 842 CKTV 1104 8440 CKFU 1104 845 Amari 107 840 XHGE Campe Cunids 846 KGFE 635 unids 846 KGFE 635 unids 846 CATP 840 JHY Merid 846 XHGE Campe Cunids 846 XHGE XHGE XHGE XHGE XHGE XHGE XHGE XHGE	Box 1778	8, Loving	ton,	NM 8	8260							MDT
May 198	2		2	7 t.r	0028	KCMC	37 UK	380	27 I	S 1853	KYTY	30 TY	368
19 Es 0	830 KGFE	2 ND '	1058	, 01	0020	-31 D-	FW LLS	368	21 1	2022	KWEX	LI TY	380
0	832 D-FW	U's 21,2	27		0036	KSAT	12 TX	380	t	r 2026	KEDT	16 TX	<u> </u>
	33,39	(snow fi	ree)		0038	KTVT	11 TX	368		2029	KORO	28 TX	505
0	900 OKC 2	25,43	380		0054	K12FM	12 TX	184	L	S 2101	KTXA	21 TX	368
20 tr 0	800 KWEX	41 TX	380		0112	K13IL	13 NM	110		2103	KTWS	27 TX	36 <u>8</u>
0	802 Austi	n U's 18	В,		0132	KTVY	4 OK	<u> 380</u>		2107	KNBN	33 TX	<u>368</u>
п. о	24,36	TX	377		0134	KOCO	5 OK	<u>380</u>	29 t	r 0800	D-FW	8,21,2	7,33,
21 + 20	032 unias	2-5 wes	St OZZ		0137	X	34 Mex	kico?			39	1	-0-
22 tr 2	3U3 KLET+	10 AR	311		0116	(XEW	network	()		0915	OKC 2	25,43	380
23 Es 2	032 unids	2.3 eas	at .		0140	KCCL	lo mu	1172		0015	: LUTRE	23,41	
LS 2	035 KTVV	36 TX	377	ms	0152	WNGE	2 TN	968		0816	KILIVI	16 MO	
	KLRU	18 TX	377	Es	0220	-29 un	ids 2.3	3 (no		0820	unid	21 eas	t.
2	040 KVŪE	24 TX	377			co-ch	annel i	int.)		OOLO	(KID2	KLTS?	`)
Es 2	$041 \overline{unid}$	4 east		tr	0258	unid	15 east	5		0825	KAUZ	6 TX	282
2	103 <u>KETS</u>	2 AR	644		0317	WFAA	8 TX	368		0830	KTEJ	19 AR	747
2	130 WDIQ	2 AL 1	1008		0405	KLFY	10 LA	<u>684</u>		0856	KOZK	21 MO	<u>635</u>
2	136 unid	3 east			0409	KWTV	9 OK	380		0908	unid	20 ne 1	PBS
2	140 unid	2 south	`		01140	(CB T	P w/cal	11)	20.1	0915	KMTC	27 MO	635
21 Fo 1	228 unide	network	,		0410	LINCE	OLA	7112	30 t	r 0615	OKC 1	4,23,4	3 380
1	250 KBCT	2 TD	990		0412	(ID to	/mv & +	(45 (ime		0617	ערבית בערבית	21,33,	59
i	300 KCRL	4 NV 1	1008		0413	KT.TV	7 TX	466		0635	X	27 We	vico?
1	350 unid	2(RETMA	TP)		0.,5	(CB T	P w/cal	ນ ()		0647	KLTS	24 LA	539
1	832 CKTV	2 SK 1	1188		0415	KTUL	8 OK	473		0651	KLAA	14 LA	662
1	840 CBKT1	t 4 SK				(CB T	P w/cal	11		0653	K77AC	77 TX	200
1	842 unid	5			0416	KWTX	10 TX	368		(Est	elline	KV:	II - 7)
05 8- 4	846 KGFE	2 ND 1	1058		01.00	("lik	e a loc	al")		0656	K74CH	1 74 TX	196
25 ES 1	035 unids	2,4 500	ith .th		0426	KOTV	6 UK	1473		(Car	ey	KFD	A-10)
1	ROS HELDRIN	2-5 SOL	itn -h		olian	(CB I	r w/cal			0658	K72BZ	72 TX	196
•	(3 ab	ove-Spar).)		0429	(rada	r+ NOAA	ww)		0700	ey K70DA	ΛV. 70 TY	106
1	803 XHY	3 1	1200		0433	KIDZ	24 TX	282		(Car	EA KLODE	KAN	4B-47
	Merid	a. Yucat	an		0436	unid	19 KGLI) - 11		0710	unid	36 east	t
1	806 XHGE	5 1	1224		_	s/on	(audio))		- •	(K36A	B?? Lat	wton)
	Campe	che, Car	np.		0436	unid	19 KTXS	3-12		0717	KLTL	18 LA	630
	("13"	network	()			TP (v	ideo)			0722	K56BC	∑56 OK	<u> 260</u>
26 tr 0	840 D-FW	U's 21,2	27,			(abov	e O KH2	to to		(Fre	derick	KWE'	Γ-12)
0	33,39	11 - lu 17	368		Olulia	eacn	otner)	200		0800	KTVT	11 TX	368
Fe 1	045 Amari 500 unida	2-6	104		0440	CR T	∠5 UK. Du/oa1	300		0800	(over	KCRD-	260
100	502 WOT	5 TA	788		ОППЗ	unid	20 ene	/		0000	WF AA	val Kal	ער"אר 200
1	600 KTCA	2 MN	968		ر ن	(Indi	an Head	TP)		0807	KEDT	16 TX	505
1	700 KTVQ	2 MT	900		0443	unid	20 ene			,	(snow	free)
tr 2	359 KTBC	7 TX	377			(abov	e 0 KHz	to to		0821	KXIX	19 TX	468
27 tr 0	004 <u>KORO</u>	28 TX	<u>505</u>			each	other)			0823	KORO	28 TX	505
0	006 Austi	n 18,24,	36		0449	KRIV	_26 TX	515		0900	KRGV	5 TX	<u>576</u>
0	007 KOKI	23 OK	473		01100	(CB T	P w/cal	.1)		0904	KGBT	4 TX	<u>576</u>
0	OUO KVEU	∠3 TX	280		0450	KGNU	∠0 LA 6 TV	268	21 17	0932	KENS	5 TX	380 1116
O.	OII KWEK	713 UK	380		いついし	KEEGS	EE NM	200	JI E	5 2130	KIAO	∠ CA	1110
U	AVUN)	wy_hanl	(er)		(Hahi	סטפנה פר	KAN CC	/E-6)	June	1082			
n	016 Albun	ue. 14 2	23		(1100)	(had	KCEN-6	on)	1 F	9 0800	WMAR	2 MS	828
ŏ	017-23 Ho	uston 11	-, I,		0508	WRBTt	33 LA	/	, 1	0830	WIVY	4 AL	1067
	13,39	TX	515		0830	KLMN	24 AR	540		0900	WSB	2 GA	1098
0	023 KTBO	14 OK	380	Es	1835	unids	2,4 nc	orth		0930	WRCB	3 TN	1035
0	U26 KENS	5 TX	380	tr	1842	KVEO	23 TX	576	2 E	s 0820	unids	2,3 ea	ast

Jim Pizzi (continued)	3 tr 0640 Austin 18,24,36 (all snow free) 0645 KAMU 15 TX 441 0830 KZLN 60 TX 576 0900 San Antonio 4,5, 41 TX 380 0905 KORO 28 TX 505 0906 KEDT 16 TX 505 4 tr 2258 KVEO 23 TX 576 5 tr 0800 KORO 28 TX 505 0800 KVEO 23 TX 576 ES 0830 KTVU 2 CA 1116 tr 0924 KCTOt 36 AR ES 1159 WDIV 4 MI 1260 1159 Unid 6 ne(3/4CB) 6 tr 0923 WLPB 27 LA 743 0945 WGNO 26 LA 819 ES 1649 WIVF 5 TN 968 1656 Unid 7 ne 1830 WCBI 4 MS 864 1831 WREGt 3 TN 1900 KARK 4 AR 644 1931 KCRL 4 NV 1008 1933 KTVU 2 NV 1008 2100 KPIX 5 CA 2111 KCRAt 3 CA 2112 KVIE 6 CA 1071 tr 2348 WRBT 33 LA 2350 KADN 15 LA 2350 KADN 15 LA (282 kW @ 210') 7 tr 0024 WTSS 17 GA 1098 (are they on??) 0026 WITOt 21 GA (are they on??) 0028 KIDZ 24 TX (K24AD W/KTRK) 0034 KATV 7 AR 644 0036 KTEN 10 OK 0038 WXIA 11 GA 1098 0046 WTTM 13 AL 959 0056 WTTOt 21 GA (ART 10 OK 0038 WXIA 11 GA 1098 0046 WTTM 13 AL 959 0056 WTTOt 21 GA (KTXA off air) 0116 unid 46 ene 0120 KGCT 41 OK(STV) ES 1920 unid 2 nne tr 2337 KADN 15 LA 2340 KLTL 18 LA 630 2344 KPLC 7 LA 2346 WGNO 26 LA 8 tr 2045 KLTL 18 LA 630 2247 KVEO 23 TX 576	10 tr 2050 K67AX 67 NM 157
	(all snow free)	(Alamagordo KRWG-22)
June 1982	0645 KAMU 15 TX 441	(plus other New
2 tr 2321 UNU 14,25,43 300	0030 KZLN OU IX 5/0	Mexico xiators)
23/12 KUKI 32 UK 3/72	0900 San Antonio 4,5,	12 Fo 2011 unid 2
2353 D_FW 5 21 30 368	0005 KORO 28 TY 505	1) Fo 1730 WTRT 2 Mg 772
most vitre north	0906 KEDT 16 TY 505	1730 WMC 5 TN 784
of this OTH in	4 tr 2258 KVEO 23 TX 576	1800 WDTO 2 AL 1008
3 tr 0008 KAUZ 6 TX 282	5 tr 0800 KORO 28 TX 505	1830 KETS 2 AR 644
0011 KTEN 10 OK 397	0800 KVEO 23 TX 576	15 Es 1715 unid 2-6
0029 KGMC 34 OK 380	Es 0830 KTVU 2 CA 1116	1800 WKRG 5 AL 936
0039 KAKE 10 KS 461	tr 0924 KGTOt 36 AR	1930 WBRZ 2 LA 743
0102 KVEO 23 TX 576	Es 1159 WDIV 4 MI 1260	16 Es 0820-55 unids 2-4 ne
0103 X 34 Mexico?	1159 unid 6 ne(3/4CB)	1300 KDIX 2 ND 936
0116 KTVJ 16 MO 576	6 tr 0923 WLPB 27 LA 743	1828-36 unids 2-6,
0124 KVIJ 8 OK 265	0945 WGNO 26 LA 819	Mexico (non-XEW)
0129 KTUL 8 OK 423	Es 1649 <u>WIVF</u> 5 TN <u>968</u>	1929 <u>XHAO</u> 4 <u>1260</u>
0137 KLTV 7 TX 466	1656 unid 7 ne	2059 WDIQ 2 AL 1008
0212 K06GF 6 TX 91	1830 WCBI 4 MS 864	2102 WEAR 3(AL) 950
(Clovis KVII-7)	1831 WREGT 3 TN	2130 WTVY 4 AL 1067
(nad KOAT-7 on)	1900 KARK 4 AR 644	17 Es 0906 unids 2 Mexico
0500 WAPT 15 MS 772	1931 KURL 4 NV 1008	(XEW net, 2-cn2)
0601 17760D 76 TV 300	1933 KIVN 2 NV 1000	1/20 KFIR 5 ND 92/
(Ingnam (MO) -11)	2100 KPIX 5 CA	1720 CKIB 4 MB 1140
OSOL KTORT TO TY 200	2112 EVITE 6 CA 1071	1723 VDTV 2 ND 026
(Ingram KENS-5)	tr 2318 WRT 33 14	1710 KY.IR+ 11 ND
-0610 K82BK 82 TX 309	2350 KADN 15 LA	1803 KBI O+ 6 SD
(Ingram KSAT-12)	(282 kW # 210')	1859 WFBC 4 SC 1206
K77AF 77 TX 294	7 tr 0024 WTBS 17 GA 1098	18 Es 0824 WUFT 5 FL 1274
(San Saba KTBC-7)	(got pictures)	0830 WJXT 4 FL 1300
K74BS 74 TX 294	0026 WITOt 21 GA	0833 WEAR 4(AL) 950
(San Saba KWTX-10)	(are they on??)	0854 WCTV 6(FL)1148
<u>K73CH</u> 73 TX <u>270</u>	0028 KIDZ 24 TX	1000 WTVY 4 AL 1067
(Juncton KENS-5)	(K24AD w/KTRK)	1030 WKRG 5 AL 936
<u>K63AY</u> 63 TX <u>289</u>	0034 <u>KATV</u> 7 AR <u>644</u>	1100 <u>WESH</u> 2 FL <u>1346</u>
(Mullen KTXS-12)	0036 KTEN 10 OK	1100 WWL 4 LA 819
K65BE 65 TX 300	0038 WXIA 11 GA 1098	1100 WDSU 6 LA 819
(Kimble cnty KSAT-12)	0046 WVTM 13 AL 959	1200 WBRZ 2 LA 743
(had KTXS=12 on)	0056 WITOU 21 GA	2000 unids 2,5 Mexico
(Ma)11in PTDC 7	Olic unid life and	2120 NDRAU 2 PA
Keed to	0110 unid 40 ene	10 Fe 07) 5 unid 2 east
(Har CCT KEER)	Fo 1020 unid 2 nno	10/15 unida 2 dasc
unid 82 ese	to 2227 KADN 15 [A	20 Fe 1000 KNYT 2 CA
(Hvv CCT+ K82BK)	2340 KLTL 18 LA 630	1030 KNBC 4 CA
L0633 K69AIt 69 TX	2344 KPLC 7 LA	.030 12.20 , OA
(Hvv CCI- K69RS)	2346 WGNO 26 LA	The following is an ID of
0635 Houston 13,26.	8 tr 2045 KLTL 18 LA 630	the mystery shown on 5-27:
39 TX 515	2047 KLTS 24 LA 539	27 tr 0437 K19AA 19 OK 252
(all snow free)	2247 KVEO 23 TX 576	(Altus KWET-12)
•	-	(had KTXS-12 on)
Trops have been very rewar	rding with excellent openings.	May 30 translators were in

Trops have been very rewarding with excellent openings. May 30 translators were in with good levels and KXIX-19 flea power was in fair; while KEDT-16 was close to overloading the AC-4990. June 3 trops brought a new state (KS) and a big haul of central TX translators - most in with very good signals. In the future I will not be reporting stations from Abilene, Austin, Dallas, Ft. Worth, Houston, Amarillo, San Antonio, and Oklahoma City except when snow free; as it seems they're in more often than not. Even though it's DX (out to 500+ miles), repetitious loggings may be boring - comments please? Still getting that channel 34 Spanish XEW network station when KVEO-23 is in strong.

No word from anyone or CCI - another mystery!

First 1000 mile plus trops. What a thrill! I was getting KADN-15 at almost snow free levels, and everything happened quickly after that. Took some pictures - hope they come out OK. Channel 46 a puzzle - could be WANX-46, but I don't know (sent info to CCI). Trops out to 500 miles every day - a lot of gulf moisture making its way up here - hope it stays.

I've rearranged antennas - again. On MW-65 tower is Antennacraft 10 element FM (horizontal) @ 65', @ 69' is Finco P-7 UHF with AC-4990, @ 74' is Winegard CH-2073

CDT

Ronald Purdue, Route #1, Box 224, Byron, MN 55920

Jim Pizzi (continued) (7-13) 10 element with AC-9730 pre-amp. On smaller 37' tower is Winegard CH-2026 (ch 2-6) with AC-9260 pre-amp @ 37' and CM-4250 6' UHF dish with AC-4990 (on order) @ 40'. Now have small conical @ 16' (no amp) on small mast along with channel three 5 element vertical and channel six 5 element horizontal. On another 20' push-up mast, now have channel 7-13 yagi (no amp) @ 20' along with 10 element channel 2 yagi, 10 element channel 5 yagi, and @ 26', 10 element Antennacraft FM (vertical) into Jerrold DSS-FM pre-amp.

I'll be putting up at my office an all-band VHF (2-13), so maybe I'll catch some DX there.

Es has been hot and heavy so far this June - most of my activity has shifted to the FM band during intense openings. Trops have been off somewhat since June 11, but Es has kept me very busy. Till next time. Best of DX. Jim

(A very interesting report Jim. I remember well the thrill of seeing 1000+ mile UHF; even though it has been many years. You have a QTH and equipment set up which I believe would be the envy of any TV DX'er. With regard to your comments about reporting repetitious loggings; I would just say that stations that are regularly received are not DX regardless of the distances involved. 500 mile or even 300 mile loggings are DX at my QTH, but in light of your reports, they may not be at your QTH. The suggestion which I would make to all reporters to the VUD is to give enough information so that the reader gets a good idea of what normal conditions are at your QTH, and then report mainly what you believe to be exceptional. (m)

James Stiles, CFAo/NAFK, Box Su/LR ADP, FPO Seattle, WA 98770

JST

Here's another report from Okinawa. All times JST. Details on the FM loggings have been sent to Northern FM DX column.

May 26 - 1700-1830: Armed Forces Korea Network, channel 2, Seoul and Chinese channel 2, Peking were both quite strong. The Chinese video signal is 2.5 MHz higher than the Korean (U.S. standard) video signal so there was considerable CCI, but at times both stations were strong and clearly identifiable. I got several pictures of the Chinese test pattern - ID slide which consists of a circle with 24 hour digital Peking time on the bottom and the Chinese characters for Peking on the top. At 1830, the test pattern was replaced by a Chinese-English language instruction program. Additional Chinese stations on the same network were observed on channel 3-6.

May 27 - 1145-1230: AFKN, channel 2, in Seoul and AFKN, channel 6, in Munsan. FM broadcast stations heard as high as 106.5 MHz.

 $\underline{\text{May } 27 - 1800-1900}$: Chinese channel 2,3,and 4 on Peking network, all with similar test pattern.

May 28 - 1115-1200: AFKN, channel 2, Seoul and channel 6, Munsan, with Chinese stations on channels 3,4, and 5. FM broadcast stations from Korea as high as 107.1 MHz.

May 28 - 1700-1800: AFKN, channel 2, Seoul and Peking channel 2.

May 29 - 0930-1300: Chinese stations on channels 2-6. Chinese FM as high as 102.5 MHz.

May 30 - 1200-1300: AFKN, channel 2, Seoul. Korean Broadcasting System channel 4, Cheongju and channel 5, Seoul. North Korean channel R3 (on U.S. standard channel 5 and part of channel 6) was observed with strong signal. Video was unreadable due to CCI, but audio was in the clear. Programming consisted of political commentary (my wife made the ID).

<u>June 12 - 1300-1500:</u> Very strong and steady signal from DWWX, channel 2, Quezon City, Philippines with religious programming dubbed in Spanish. The show was a tape of a U.S. program, and phone numbers within the states to call to make pledges were seen. After 10 minutes, AFKN, channel 2, Seoul replaced this station. Also, KBS channel 5, Seoul was observed with a high school baseball game.

All the above loggings are via Es. On nearly a daily basis, Es is observable on channel 2 and at least half the time skip is seen as high as channel 6 and extends through the FM band. However, in nearly all cases, the openings begin with AFKN channel 2 and as the MUF rises, the skip shifts westward with the Chinese stations being more favorably received. I am hoping to be able to report reception of stations from additional areas as the summer progresses.

Equipment: RCA 1982 XL-100 color, J.C. Penney 5" b&w portable, Archer VU-120 with coaxial lead-in, Winegard AC-9880 preamp at 28' AGL.

30 tr 0722 WLRE 26 WI 222 6 tr 1038 WTVO 17 IL 218 20 Es 2000 KOAA 5 CO 0736 WHRM 20 WI 155 25 tr 1624 WKOW 27 WI 168 1054 WPNE 36 WI 222 0740 W55AP 55 WI 55 Es 1620 KGBT 4 TX 1280 2101 WHA 21 WI 168 (River Falls WHWC-28) (MUF 99 MHz) 26 Es 0930 KPRC 2 TX 1005 0748 KRIN 32 IA 118 1627 XEFE 2 TM 1217 tr 2101 WSAW 7 WI 155 0751 KMEG 14 IA 218 2 TX 978 4 AL 963 2105 WVTV 18 WI 237 1834 KMID 0758 KDUB 40 IA 145 7 Es 1900 WTVY 2107 WISN 12 WI 237 June 1982 288 8 tr 0715 WFLD 32 IL 2109 WMVT 36 WI 237 6 tr 0725 KRIN 32 IA 118 13 Es 2114 KUTV 2 UT 1047

Wow! It has been a mixed bag for E-skip and tropo DX! It seems that E-skip and tropo occur on the same day! I took the RCA XL-100 in on the 7th of the month, and the TV serviceman put in a new VHF-UHF tuner package due to a defective UHF tuner. I am thinking seriously of replacing my Archer VU-120 with a hi-gain Winegard CH-7084 antenna.

Don't expect WFBT to go on this summer. They have run into a delay, and I believe they have to build a new building for a studio. WFBT personnel were looking for a building to remodel into a studio, but didn't find a suitable building.

By the time you read this, KTMA-TV in Minneapolis should be on or about on. They are planning STV in the evening using ON-TV service. I have been reading in the Rochester Post-Bulletin that there are TVQ microwave pirates in the Minneapolis-St. Paul area. I suppose they will pirate the ON-TV services of KTMA soon.

In the June VUD, I mentioned the propagation mode for KTIN was As. By that I meant AS or "aircraft scatter." I made a goof when I typed up that report! By the way, when will a "TV Statistics" column appear in the VUD? That's it for now. 73 and good summer DX.

(Thanks for the report. I can't help you with your question about a statistics column. It would be nice to have one again. I assume that if someone would take on the responsibility of preparing it that it would be published. fm)

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

June 1982 6 Es (MUF 96.1 @ 1653 -TX)	16 Es 2058 unid 2 south NBC (Spanish CCI)	25 tr 0700 KTIN 21 IA 305 Es 2258 KATU 2 OR 1240
1700 KFDX 3 TX 900	17 Es (MUF 105.5 @ 1950-LA)	26 Es 0009 unid 4 west ABC
(MUF 105.1 @ 1732-TX)	2031 KFSM 5 AR 795	tr 0046 WXOW 19(MN) 340
1836 KENS 5 TX 1220	2033 unid 4 NBC	Es 0559 WMAR 2 MD 1135
1900 WFMY 2 NC 1150	(MUF 106.1 @ 2040-TX)	tr 0700 WLEF 36 WI 315
7 tr 2300 KRIN 32 IA 395	(MUF 107.5 @ 2131-LA)	0700 WHWC 28 WI 270
8 tr 0629 WVTV 18 WI 505	(MUF 107.7 @ 2316-AL)	Es 0828 unid 2 CBS
10 Es 2000 WDIQ 2 AL 1195	18 Es 0038 WAVE 3(IN) 810	0859 WCBIt 4 MS
13 Es (MUF 92.3 @ 2051 -TX)	0044 WDTN 2 OH 800	0952 unid 4 NBC
2059 KENW 3 NM 965	0100 WSAZ 3 WV 935	0959 KMID 2 TX 1060
15 Es (MUF 104.3 @ 1951-TN)	0117 WTAE 4 PA 960	1059 KETS 2 AR 890
2000 WAGA 5 GA 1115	0125 KDKA 2 PA 945	(MUF 89.9 @ 1126 -FL)
(MUF 104.5 @ 2039-)	0130 WKYC 3 OH 835	1200 WTVY 4 AL 1240
2159 WSAZ 3 WV 935	0144 unid 6	(MUF 105.3 @ 1208-GA)
2200 WDTN 2 OH 800	0200 WMAR 2 MD 1135	1235 unid 4 NBC
2200 <u>WBBM</u> 2 IL <u>570</u>	1007 WBRZ 2 LA 1185	(MUF 92.3 € 1344)

June seemed to be quite good for Es. I have been experimenting with some success with a system for cancelling the local KXJB-4 signal at the input to my receiver in order to identify Es signals. I have seen a lot of pictures, but only a couple solid ID's. It does look promising, however, and it should result in some growth in my log book on channel 4. I am also interested in doing the same with channel 6, WDAY, but they are stronger, and of course. Es is somewhat less common and weaker at that frequency.

The weather has often looked like it should cause some tropo ducting, but not much luck. It was nice to see Milwaukee TV for the first time on the 8th. That morning looked very promising with a number of Iowa and Wisconsin stations in, but I had to go to work; so I don't know if anything spectacular developed.

The column is of good size this month, but believe me, I would be happy to have many more DX reports. If you are SEEing it. TELL us about it.

(Good DX, Jim. fm)

WF UTLITY DX

Donald L. Blevins 499 Monterey Avenue Odenton, MD 21113 phone: 301-551-8623

IN SEARCH OF PSB.....UTILITY DX

Hank !	Holbrook 7211	Chestnut St	reet Chevy Chase, MD 20815	
4/19				
0124	CG 41471	157.15	Mouth of Rhodes River, MD	Coast Guard Vessel
4/25	WXW 7470	157.10	Chester River-Kent Narrows,	MD LUV TOO
5/2				
1422	WYQ 6127	156.80	#71 Channel Marker	A NET
1452	WXZ 8311	156.80	2 miles NE of Herring Bay	SWEETIE TOO
			,	
5/23				•
1458	WSZ 5729	157.15	Tilghman Creek, MD	TWO BELLIES
5/24	5300			
	WSZ 5729	156.80	St. Micheals, MD	ST MICHEALS HARBOR MARINA
5/20				
5/29 0145	WYR 2395	157.10	Falesville, MD	DEVENTE
0228	WZH 2360	157.10	Herring Harbor Marina, MD	REVERIE EMISTIC
1746	WYN 7461	157.30	Annapolis, MD	YANKEE DOODLE
1802	WYC 4609	156.80	Choptank River, MD	YANKEE DOODLE II
		20000	onopeum Kreer, and	THREE CONDECTI
5/31				
0100	WXL 4187	157.30	Mid-Chesapeake Bay, MD	MOONPIE
Donald	d L. Blevins 4	99 Monterey	Avenue Odenton, MD 21113	
6/26/8	32			
1043	KAA 204	42.06	Saint Joseph, MO	Highway Patrol
1043		42.06	Emo, Ontario	Ontario Provincial Police
1043	KDK 617	39.50	New Roads, LA	Pointe Coupee Parish Sheriff
1044	KKC 747	39.50	Alexandria, LA	Rapides Parish Sheriff
1046	KKA 818	39.50	Cameron, LA	Grant Parish Sheriff
1046	KKA 781	39.50	Arcadia, LA	Bienville Parish Sheriff
1046	KKC 520	39.50	Coushatta, LA	Red River Parish Sheriff
1100	KTZ 370	37.26	Whitehouse, TN	Police Department
1100	KIJ 581	37.26	Sevierville, TN	Sevier County Sheriff
1153	KAB 302	42.06	Jefferson City, MO	Highway Patrol
1153 1153	KAA 522 KAA 202	42.12 42.06	Willow Springs, MO	Highway Patrol
1158	KIC 889	37.26	Lees Summit, MO	Highway Patrol Lebanon County Sheriff
1200	KAA 270	42.06	Lebanon, TN Poplar Bluff, MO	Highway Patrol
1205	KSB 234	42.60	Du Quoin, IL	State Police
1205	KSA 939	39.50	Marion. IL	Police Department
1207	KSC 813	42.42	Fort Wayne, IN	State Police
1212	KSA 775	42.60	Macomb, IL	State Police
1213	KKC 227	44.62	Little Rock, AR	State Police
7/3/82	<u>?</u>			
0910	KNAA 582	159.135	Alexandria, VA	State Police
0911	KGA 815	154.665	State Roads, DE	State Police
0912	KIC 367	159.165	Culpeper, VA	State Police

William R. Hepburn C/O 1950 Monreal Road Cornwall, ON K6H 6L2

3/5/82 1903	VZM	108.1	Cornwall, ON	Training VOR
2/11/82	VFN	161.65	Montreal, PO	Montreal Coast Guard
2/10/82 1840	VDQ	161.65	Cardinal, ON	Cardinal Coast Guard
2/8/82 1800	XLM 300	162.55	Montreal, PO	Weatherradio Canada

Thomas J. Yingling, Jr. 221 Pinewood Road Baltimore, MD 21222

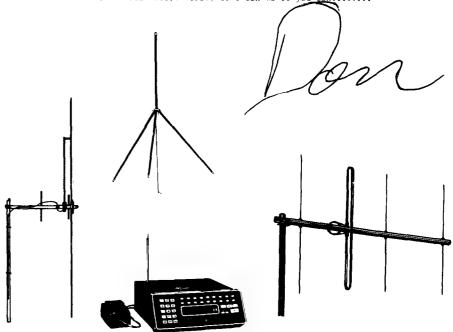
6/7/82				
2002	KSB 233	42.62	Elgin, IL	State Police
2004	KSG 897	42.56	Litchfield, IL	State Police
2030	KGJ 616	39.50	Spotsylvania, VA	Spotsylvania County Sheriff

+++++

Well that's all folks.....

I must remind you that I am out of material for the time being....I have exhausted all my material submitted ro me for the feature. I am hoping that you will submit material for theAugust issue. I know there has been some good DX in the las two months. Why not spend some time with your scanner and let your fellow members know what is going on?

Please remember that all the DX logged by this editor is with a screw in whip supplied with the reciever(a Bearcat 210). Surely if I can do it you can......



METEOR BURST COMMUNICATIONS SYSTEMS

We have been studying meteor scatter for some time now. Many of us have seen it and logged several distant stations by it on television and FM radio. Although a curious as long as the master signal's strength mode of propagation, one question arises: Of what practical value is it?

It was suggested as far back as 1951 by V. C. Pineo (National Bureau of Standards. Nov., 1951) and D. W. R. McKinley (cf. McKinley, "Meteor Science and Engineering, McGraw-Hill Book Co., Inc., 1961) that meteor scatter could be used for communications. In 1963, test signals were transmitted from Cedar Rapids. Iova to Sterling, Virginia, a distance of 750 miles, at a rate of about 4000 words per minute. This project demonstrated the feasibility of a meteor burst communications system.

There are several reasons for this interest in meteor burst communications. While lower radio frequencies are capable of beyond-line-of-sight (BLOS) reception due to the ionosphere, they are also overcrowded. Meteor scatter provides a means by which the higher frequencies are capable of BLOS reception, avoiding a complex and expensive system of microwave relays. Another reason for current interest is the current progress in technology, specifically microprocessors and inexpensive solid-state memory systems, Which make a meteor burst system feasible.

The military also found advantages. During a nuclear war satellite relays and HF signals could be disrupted, but MS would still be feasible. Two other factors which make MS useful, even during peacetime, are Low Probability of Intercept (LPI) and Antijam. LPI is brought about by the fact that messages are transmitted only during the short lifetime of a useful trail, and is received only in a small area, or "footprint." which includes the receiver. And since communications would take place on higher frequencies where BLOS reception is not possible, it would be more difficult for the enemy to jam the signal.

Three types of communications systems are feasible by meteor scatter: point-to-point, netted, and broadcast. The point-to-point system calls for a master station. which transmits a steady signal, and a slave station, waiting for a properly oriented trail toreflect that signal to it. While waiting, messages are fed into its memory

system. When a useful trail is produced. the slave station will pick up the master station's signal, activate its transmitter. and send messages to the master station for remains above a minimum tolerance. When the master signal becomes too weak, the slave station shuts off, waiting to continue its message where it left off when the next useful trail is produced.

There is some degree of error and message loss in such a system. The closer the two frequencies are, the greater the interference between them. The farther apart they are. the greater the chances of the slave station receiving the master signal and transmitting messages when the slave signal has already faded out at the master station. The tolerable signal strength from the master station is another factor. The weaker the tolerated signal strength, the more likely the master station may not be able to receive the slave signal. Requiring a stronger signal to activate the slave station will mean fewer messages being sent.

A netted system is being built by the Bonneville Power Administration, called a hydromet (short for hydro-meteorological telemetry network). This system will monitor five slave stations around the northwestern United States, receiving coded information about stream levels, precipitation, date, and time, on a short message of 0.1 second duration.

No significant work has been done yet on a broadcast system of any sort. Such a system would require a transmitter constantly. transmitting messages of short duration. It would probably take several meteor trails before any receiving station could obtain the message in its entirety.

An interesting method for amateur radio communications is described by James D. Stewart. WAAMVI. in his book, VHF Radio Propagation, printed in 1978 by Howard W. Sams & Co., Inc., and in an article in the December, 1977 issue of OST. Two amateur radio operators would agree ahead of time to attempt to communicate at a certain span of time on a certain frequency. With their clocks synchronized, one would transmit during the first and third quarter of each minute and the other would transmit during the second and last quarter. When one of them hears the other's signal being reflect-

ed from a meteor trail he then includes a code describing the extent of his reception. They both continue transmitting call letters and codes until both sides can hear one another's code, letting them know that both sides are confirming reception.

Meteor scatter has been used in other ways than sending coded messages. In 1957, RCA experimented with sending low-resolution facsimile black & white images on a 27 kHz band for a distance of 910 miles on 40 mHz. Raytheon Corp. has been monitoring television broadcast stations from distances of 600 to 1300 miles by means of meteor bursts. (This would be an interesting subject to report on. If I can get more on this, and I think I can, I'll report on it. I wonder if anybody has looked into FM stereo and meteor scatter.)

SHOWER METEORS FOR THE NEXT FEW MONTHS: Although this issue will no doubt reach you too late for the Perseid meteor shower's peak. I thought it best to provide a few statistics for you to compare with your loggings. The shower was to peak around noon. EDT on 8/14/82. But with the radiant at its highest around 5:40 a.m. local time. best results should be in the early morning hours of 8/14, with results not quite as good on the morning of 8/15. The shower is the result of particles breaking off from comet Swift-Tuttle, which has a 120-year orbit. The exact figure could be off by a few years. Since it last was seen in 1862 (in fact, its only appearance), it should be due this year or within the next few years. To date, it has not been seen yet. Spectular showers have appeared in the past during years supposedly right after the calculated perihelion. With perihelion ready to occur at any time, perhaps we can look out for a spectacular within the next few years. This could possibly explain the increase in the rate of the perseids over the past few years. ZHR ranges from 50 to 100. so let's hope for the upper limit.

The DRACONIDS consist of a very narrow stream of meteors. It lasts three days, with only one hour of that time greater than one fourth of its greatest strength. That hour is at 5:00 a.m. EDT on 10/10/82. Unfortunately, the radiant will be grazing the horizon at that time, so expect that shower to be a fizzle. Better luck next year, and best results in 1984, when the radiant will be almost directly overhead during the peak hour.

Hallev's Comet. which is due to return in a few years, is responsible for theORIONIDS. which can be seen during the entire month of October, peaking on 10/21. There are differences of opinion about the exact time of the peak, but you can expect the entire day to be close to peak strength. With the radiant at its highest around 4:20 a.m. local time (give or take a half hour), best results will be on the morning of 10/21. Although ZHR is only 10, it combined with the high rate of sporadic meteors in the morning should produce good results.

There's an interesting story behind the ANDROMEDIDS, which helps to show the relation between comets and meteor showers. There used to be a comet called Bilea's Comet, which orbited the sun every 61 years. The Andromedids existed at the same time, but nobody ever connected the two. In 1845, the comet was seen to split into two. The two returned in 1852, this time 15 million miles apart (six times the distance between the Farth and the Moon). The comets never appeared in 1859 and 1866, but in 1872 there was instead a spectacular shower. There was another spectacular shower in 1885. Because of gravitational pull from Jupiter, the center of the stream's orbit has moved farther from the Earth's orbit, and the stream is now much weaker. ZHR is now about. 10. The shower lasts from August through November, peaking on 11/14. The radiant is at its highest around 10:00 p.m.

The Leonids (Nov. 14-20) are known to have what are known as "knots." parts along its orbital path where meteors are more concentrated. On certain years, when the Earth passes through the orbit of the Leonids at the location of a "knot." the shower will appear very abundant. Some knots are right. behind the associated comet. Tempel-Tuttle. and can be predicted. Others exist, but are unpredictable. The Leonids peak this year around noon EDT on 11/17. The radiant is at its highest around 11:00 p.m., so the two nights either side of its peak should be fairly good.

SPORADIC METEORS:

According to a graph published in the Monthly Notices of the Royal Astronomical Society, Vol. 116, sporadic meteor rates climb from a minimum in February to a peak in July. Figuring that sporadic meteors normally range from about 5 per hour at sunset to 15 at sunrise. we could double that figure for June-August from 10 at sunset and 30 at sunrise. Sporadic meteors rapidly drop in number in September, and make a slight increase over the rest of the year.

WHY ISN'T THERE MUCH MORE METEOR SCATTER? The second meteor scatter brought out the fact that overdense reflections are created by trails that are visible, and that underdense trails are not visible to the eye. Also, on the lower VHF frequencies, it seems that the total number of bursts, both overdense and underdense, is not too far off from the OHR (observed hourly rate). This being the case, only very few trails actually result in the reception of a reflected signal. Improper orientation is definitely one factor; making some trails useless. It has been found that, for a particular path from a transmitter to receiver, only meteors in a very small portion of the sky will reflect the signal. Another factor (I'm not sure how significant) could be the fact that some meteors break up, and signals reflected from more than one point (multiple trails) are often weakened.

REVIEW:

RAYSON HIGH PERFORMER II UHF PREAMP

If you are seriously interested in getting good UHF TV DX performance, you probably already know that a good low noise mast-mounted preamp is the key part of your system. UHF TV tuner noise figures are very poor, even on the latest model sets, and a good antenna simply isn't enough to bring in all the DX possibilities by itself.

A fairly wide selection of commercially available units exists, but almost all of them are effectively useless for TV DXing, due to poor overload rejection, inadequate noise figures, insufficient gain, or a combination of these problems. Also, there's the problem of price. Most of the models available that are good for DXing are not very cheap. The Winegard AC-4990 can cost you around \$100 these days, and the most recent versions of the CMA-Ub are more than \$200.

An interesting trend has been recently taking place in the electronics industry and among experimenters that may prove to be a real boom for TV DX enthusiasts, and low-noise/high gain UHF preamps are at the center of it. For a variety of reasons, mainly led by the increasing interest in reception of UHF pay-TV signals in several U.S. cities, many new preamp circuits have been devised, some of them using newer low-noise devices that have recently started to become widely available to experimenters.

The March 1982 issue of RADIO-ELECTRONICS magazine started a two-part construction article (concluding in their May issue) that featured a couple of microwave transistors built into a PC board in stripline fashion, a standard microwave technique that makes for an almost ideal impedance match through the circuit. The real breakthrough in this project was the price versus claimed performance. For about \$35 in parts, the results were said to be almost unbelievable: 25 dB gain, with a 2 dB typical noise figure, with 3.5 dB nf maximum. The circuit was said to be especially hot on the higher UHF TV channels, unlike many commercially available ones, which tend to start to "roll off" in gain at around ch 60 or so. In fact, the circuit was claimed to have slightly more than 25 dB of gain at ch 70, a real rarity among such units, but not surprising in light of the fact that microwave devices are employed.

Feeling that all this seemed too good to be true, I decided to order an assembled version of the circuit from RaySon, a small electronics parts supplier catering to the experimenter. I've been using it in my UHF system, and have been comparing it with my CMA-Ub (circa 1976). I'm pleased to report that this circuit, sold in assembled form as the RaySon High Performer II, is the best value-for-the-money unit I have ever seen. Currently available for \$47.50 as of this writing, it does live up to its name, something few UHF preamps really turn out to do.

Before you decide to try one out, it should be stressed that comparing such units is often an "apples and oranges" situation. The High Performer II is basically no-frills, with a power supply that consists of a modified balun and calculator-type AC adaptor that probably would make the design engineers at Winegard and Blonder-Tongue laugh (but it serves the purpose). "No-frills" means that you get a unit that may not be as durable as a CMA-Ub (designed for MATV systems), or even an AC-4990 (designed for home TV systems)—but again, remember that this amp is for the experimenter. You may not get the kind of durability or weatherproofing that a CMA-Ub offers, but you do get better results on some channels, plus performance that's a bit closer to state-of-the art than the higher priced preamps.

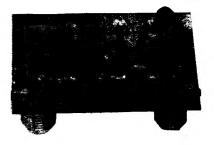
The High Performer II's best feature may be good characteristics on the higher UHF channels, specifically the ch 60 to 70 range. Without the proper test equipment, it's hard to give you exact data—but my unit showed consistently better results than the CMA-Ub in that range. Troposcatter

REVIEW: RAYSON HIGH PERFORMER II UHF PREAMP

from WOAC-67 in Canton, OH at about 200 miles was stronger and much more consistent in my system with the High Performer II than it was with the CMA-Ub. A CBC French repeater on ch 68 seems to be very regular with the preamp; with the CMA-Ub, it was never quite as noticeable. Several regional translators in the 60's look better. However, in the ch 50 to 60 range, it's more of a toss-up between the CMA-Ub and the High Performer II.

CMA-Ub and the High Performer II.

On the lower UHF channels, the preamp does not offer very good results when compared to the CMA-Ub.
If compared to a Winegard AC-4990 in this region, it would rank a poor third.



HIGH PERFORMER II BOARD

The reason for this is simple. The RaySon circuit, remember, uses components that are intended for microwave use, at 2100 MHz and higher. The input filter is a high pass filter intended to reject signals below 500 MHz (near ch 20). The preamp will pass signals below ch 20, but with hardly any real improvement. At ch 14, the gain is down to about 15 dB while noise figure is at about its highest, and the net result is hardly enough to overcome loss in your coax.

If you can live with the drawback of having mediocre results at the bottom of the UHF TV band, this amp will make a good unit for DXing the newer translators in the ch 50 to 69 range. Since it is a two stage circuit, it has much less tendency to overload. It will overload in the presence of a strong UHF local, but if you can null it out (or trap it out), you won't have that much of a problem. Overload rejection is quite a bit better in this unit than in my CMA-Ub, but considerably worse than in an AC-4990, which excels in the presence of one or more strong local signals.

One of the things I like about the RaySon High Performer II is the cross-modulation rejection. I have far fewer problems, at least when my dish is pointed away from the locals on 17 and 29, in my key DX directions. Ch 33, once filled witr cross-mod from chs 17 and a local FM station, is now clean. Ch 45, which shows an image plus some ch 17 cross-mod with the local 29 in almost every direction on the CMA-Ub, is much more clear with the High Performer II. This is without doubt due in part to the fact that the unit does not have as much gain on chs 17 and 29 as my CMA-Ub--a mixed blessing, to be sure.

You'll have to provide your own low-loss balun at your UHF antenna terminals if you use this unit, which is only available in the 75-ohm kit or assembled version. RaySon provides you with a modified low-loss balun for the back of your set (modified to take the 9 volt DC power sunply) which is quite fragile, due to their modifications. In keeping with good low-loss practices, they recomment use of a good 75-ohm foil shield type coax (Jerrold CAC-11 is a good choice).

If you'd like more info about this amp, or would like to order one, contact RaySon Electronics, 1010 12th St., Suite 5, Sparks, NV 89431. Their kit version costs \$34.50 plus \$2.00 for shipping (don't try to build the kit unless you've built UHF or microwave-type circuits before—it can be quite tricky to the uninitiated). The assembled version costs \$47.50 plus \$2.00 shipping. My preamp took two months to arrive, and we have heard that it's selling well as a result of the RADIO-ELECTRONICS articles. Thus, if you order the assembled version, you may have a lengthy wait. Keep in mind, RaySon is mainly a parts supplier, not a large company like Winegard. Nevertheless, commonent quality and construction in my preamp seem first rate. The price is the real breakthrough though, especially to those of us who like to experiment with preamps. For DXing in the ch 50 to 69 range, you probably can't do much better without going to the more exotic and recent state—of—the—art GaASFET preamps that a few experimenters have put together.

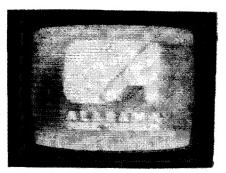


Mike Reid 109 Arjay Cres. North York, Ont. M2L 106 CANADA

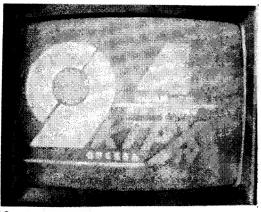
Deadlines: 20'th.



KAUT-43 Oklahoma City, OK 380 mile tropo May/82.



WDIQ42 Dozier, AL 1008 mile Es.



KEDI TV KANNEL K CHANGERS

KEDT-16 Corpus Christi, TX 505 mile tropo May/82.



KNXT-2 Los Angeles, CA 885 mile Es.

KTPX-9 Odessa-Monahans, TX 73 mile tropo

All photos this month are from my first contributor, Jim Pizzi of Lovington, NM.

> 73**'8** Mike

[XO DENTIFIED DX]

Robert Grant, NSDZY. 5775 Bishop Detroit, MI 48224. August, 1982

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w unIDs:
       Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.
 1982: Tue 25 May Es ch 2 1802 MDT — ID as "TYM" (PTA Mexico) (not "TRM" - TV Rural Mexico? -RG)

" " ch 3 1803 MDT — "Sheriff Lobo" or "BJ & The Bear"
                 Es ch 2 1500 MDT-- "The Brady Bunch" (PTA for 5/26 is NNE)
" ch 5 1500 MDT-- "Happy Days"
                 " ch 5 1501 MDT- "Leave It To Beaver"
                " ch 5 1506 MDT-- "The Brady Bunch"
       Thu 27 May Ms ch 3 0208 MDT-- chs. 3.11 & 12 w/ NBC logo.
                                    (KOTA, Rapid City, SD. It's sattelites are KHSD & KSCW -RG)
                  Tr ch 19 0418 MOT- Translator of KGID-11. (PTA: ENE)
                  Tr ch 20 0443 MOT -- "Indian Head" Test Pattern. (PTA: ENE)
                  Tr ch 20 0443 MOT- Color Bar Pattern (CBP) (PTA: ENE)
                                    (These ch 20's were zero beat to each other)
                  Es ch 2 1835 MOT- "M*A*S*H" (PTA: NE)
           3 Jun Tr ch 15 0550 MDT- "USam" (PTA: E)
       Mon 7 Jun Tr ch 46 Oll6 MDT -- Movie: "Queen Of Sheeba" (PTA East, WTBS-17 in.)
       Tue 8 Jun Es ch 4 0927 MDT-- "The Peoples Court"
       Robert Goodman, 2030 Hering Ave., Bronx, NY 10461.
  1982: Mon 31 May Es ch 3 1626 EDT -- ("Tattle Tales" (PTA: SW)
       Mon 7 Jun Es ch 3 1630 EDT -- Movie: "Bringing Up Baby" (W/Jerry Lewis) (PTA: W)
        " " " ch 2 1655 EDT-- promo: "The Jeffersons" weekdays. (PTA: W)
        " " " ch 3 1749 EDT -- "Rockford Files" (PTA: W)
       Tue 15 Jun Es ch 2 1942 EDT -- "Entertainment Tonight" Ø offset. (PTA: SW)
      Robert Grant, 5775 Bishop, Detroit, MI 48224. editor.
 1982: Mon 7 Jun Es ch 6 1751 EDT - "Hogan's Herces" (PTA: S)

" " ch 6 1950 EDT - "The Muppet Show" (PTA: SW)
       Thu 10 Jun Es ch 3 1807 EDT- "Cable News Network 2 News" (PTA: S)
       Tue 22 Jun Ms ch 2 0410 EDT -- Diana Davis on news.
       Sat 26 Jun Es ch 2 1240 EDT -- Round Color TP w/ID. into 3/4 CBP @ 1245. (PTA: SSW)
      ~<del>``</del>
  FM un IDs:
        Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.
  1982: Sun 6 Jun Es 96.3 1720 MDT-- ad- "Lebanon Cable TV"
                  * 88.3 1802 MDT-- mention of Millwaukee & Fort Atkinson. (PTA: NNE)
                      (Does anyone know if WHWC is part of a state radio network? -RG)
                     96.9 2135 MDT-- "97 Rock" phone number 766-9797. (PTA: W) (KROY checks. -RG)
                 I would like to thank Robert Goodman this week for bringing to my attention that
       "Plywood Minnesota" is a nationwide chain and not a regional one as I had suspected.
       (I have never seen them in Detroit, Then again, Who wants to be seen in Detroit? hi,)
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73 & gud DX.

NEXT MONTH in the V.U.D.



● AFTER A STORMY JUNE, JULY BRINGS SUMMER HEAT WAVE TYPE TROPO CONDITIONS

NSDZY.

- A HOT INDOOR UHF DX ANTENNA FOR APARTMENT DWELLERS THAT'S FAIRLY CHEAP, EASY TO OBTAIN, AND DOESN'T TAKE UP TOO MUCH SPACE
- MORE DX PHOTOS

WTFDA Mailbox (continued from page 3)
[Rames, Cont.) UHF within 250 miles with indoor antennas and most VHF. Planning elaborate outdoor antenna system. Adjacent channel interference my biggest problem. I'm interested in homebuilt antennas. Would like to meet TV DX enthusiasts in my area."

Finally, new member DAVID RAUDENBUSH is a miner. He also belongs to

NRC and IRCA.

Tidbits

Here's a few words from member Ronald Purdue: "This week, the 28th of June through the 2nd of July, I hope to get the Archer VU-120 replaced by a Winegard CH-7084 in order for the AC-9880 to be used for its full potential. And, I agree with the club HO about the computerized mailing list. That way, the VUDs will arrive early in the month instead of late in the month or into the following month." Ronald, a computerized mailing list in itself will neither speed up nor slow down the delivery of the VUO. Until now, I've been typing the address labels each month to save the club money, and they get to HQ before the month of issue. Only on extremely rare occasions have the labels not been in Mike Hogan's hands. when he receives the VUD for mailing. A computerized list will make bookkeeping easier and eliminate the need for typing the labels each

Every year we send out a mailing to members who have left the club in the preceeding year. We get many members back this way, and also get some interesting comments. Former member John Demmitt issues an indictment against some unnamed members which I hope will be a lesson to all: "Just received your invitation to join WTFDA and thought I would explain just why I left your organization in the first place. Perhaps it might help you in the future. As a beginner to DXing TV and FM, I had many questions and attempted to contact some of the WTFDA members in an attempt to have certain questions answered. I was very disappointed when I did not hear from any of the members I attempted to contact. As a result my questions are still unanswered and I am of the opinion that the members feel they are better than the new people attempting to join the club. These older members are making a very big mistake. An exclusive club with no new blood will die in time. Their lack of response told me I was not wanted, so I let my membership run out. Your publication did, however, contain many excellent articles and the layout was good. I must admit that I miss receiving your publication, especially now that there is plenty of DX in the air.

September is the last issue for me. See y'all next month....73....jz

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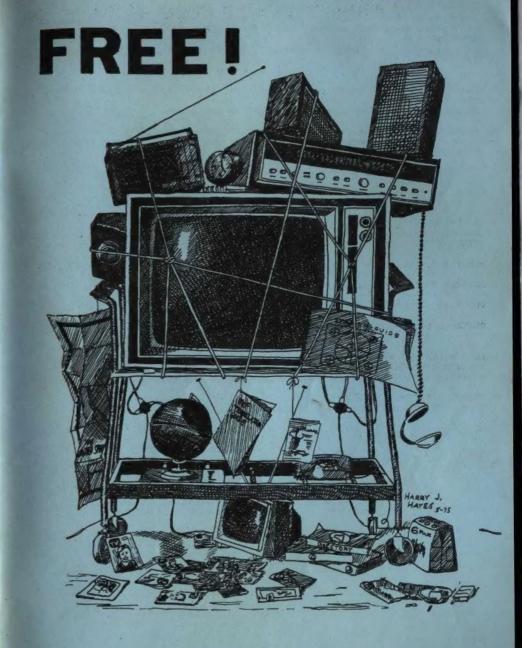


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GET YOUR OWN copy of this classic "DX Den" drawing with any supply order of \$5 or more (does not include TV STATION GUIDE or FM ATLAS orders). Drawn by DX artist Harry Hayes for the September 1975 VUD, this print is suitable for framing in your own DX den. See the back cover page for a list of supplies. Hurry! Supply is limited.